

**U.S. DEPARTMENT OF AGRICULTURE REPRESENTATIVE  
TO THE  
WHITE HOUSE INITIATIVE  
ON  
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES**

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**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANNUAL PERFORMANCE REPORT  
TO THE  
WHITE HOUSE INITIATIVE ON  
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES**

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# AGENCY ACRONYMS

AGENCY	ACRONYM
Agricultural Marketing Service	AMS
Agricultural Research Service	ARS
Animal and Plant Health Inspection Service	APHIS
Departmental Administration	DA
Cooperative State Research, Education and Extension Service	CSREES
Economic Research Service	ERS
Executive Operations	EO
Farm Service Agency	FSA
Food and Nutrition Service	FNS
Food Safety and Inspection Service	FSIS
Foreign Agricultural Service	FAS
Forest Service	FS
Grain Inspection, Packers and Stockyards Administration	GIPSA
National Agricultural Statistics Service	NASS
National Appeals Division	NAD
Natural Resources Conservation Service	NRCS
Office of Budget and Program Analysis	OBPA
Office of the Chief Financial Officer	OCFO
Office of the Chief Information Officer	OCIO
Office of Civil Rights	OCR
Office of Communications	OC
Office of Human Resources Management	OHRM
Office of the General Counsel	OGC
Office of the Inspector General	OIG
Office of Operations	OO
Office of the Secretary	OSEC
Risk Management Agency	RMA
Rural Business-Cooperative Service	RBS
Rural Housing Service	RHS
Rural Utilities Service	RUS

**Table A**  
**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**Summary of Agency Awards to Historically Black Colleges and Universities (HBCUs)**  
**FY 2000**  
**(Dollars)**

<b>Category</b>	<b>Awards to Institutions of Higher Education (IHEs)</b>	<b>Awards to HBCUs</b>	<b>Awards to HBCUs as % of Total Awards to IHEs</b>
<b>Research &amp; Development</b>	\$566,147,627	\$51,243,489	9.1%
<b>Program Evaluation</b>	15,011,548	6,714,844	44.7%
<b>Training &amp; Professional Development</b>	10,908,228	2,699,427	24.7%
<b>Facilities &amp; Equipment</b>	64,975,662	15,727,465	24.2%
<b>Fellowships, Traineeships, Recruitment &amp; IPAs</b>	38,839,365	8,243,290	21.2%
<b>Student Tuition Assistance Scholarships &amp; Other Aid</b>	1,896,138	1,144,941	60.4%
<b>Direct Institutional Subsidies</b>	401,556,281	28,870,648	7.2%
<b>Third Party Awards</b>	480,804	205,252	42.7%
<b>Private Sector Involvement</b>	0	0	--
<b>Administrative Infrastructure</b>	7,600	0	0.0%
<b>Other</b>	5,216,912	2,151,427	41.2%
<b>Total</b>	\$1,105,040,165	\$117,000,783	10.6%

**HBCU  
FEDERAL AGENCY AWARDS TO INSTITUTIONS  
FY 2000**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	3,203,601	300,668	0	731,884	640,035	62,648	1,378,487	0	0	0	0	\$6,317,323
TUSKEGEE UNIVERSITY	2,131,698	469,000	263,000	974,247	430,869	69,500	1,328,487	0	0	0	6,000	\$5,672,801
ARKANSAS												
U. OF ARKANSAS @ PB	4,585,788	391,151	395,000	658,969	392,816	37,620	1,199,832	140,000	0	0	0	\$7,801,176
DELAWARE												
DELAWARE STATE	1,772,525	367,151	175,000	621,909	403,186	62,363	433,652	0	0	0	3,000	\$3,838,786
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	64,173	0	800	0	7,132	0	0	0	0	0	0	\$72,105
UNIV. OF D. C.	458,486	0	0	0	37,479	0	998,688	0	0	0	0	\$1,494,653
FLORIDA												
EDWARD WATERS	0	0	0	0	109,415	0	0	0	0	0	0	\$109,415
FLORIDA A&M	3,388,332	282,845	0	669,083	503,049	66,744	1,117,451	9,000	0	0	0	\$6,036,504
GEORGIA												
CLARK ATLANTA U.	163,531	0	0	0	0	0	0	0	0	0	0	\$163,531
FORT VALLEY STATE	2,688,639	299,754	275,000	1,600,258	30,075	81,268	1,600,131	0	0	0	0	\$6,575,125
KENTUCKY												
KENTUCKY STATE	2,397,153	296,451	0	561,287	180,348	11,650	2,004,220	0	0	0	0	\$5,451,109
LOUISIANA												
DILLARD UNIVERSITY	0	0	0	0	164,042	0	0	0	0	0	0	\$164,042
SOUTHERN U. & A&M	425,000	452,651	0	654,989	206,706	12,200	1,109,369	0	0	0	3,000	\$2,863,915
SOUTHERN/BATON ROUGE	1,362,596	452,500	124,500	0	401,181	23,350	65,000	0	0	0	0	\$2,429,127
SOUTHERN/NEW ORLEANS	0	0	273,000	0	97,449	0	0	0	0	0	0	\$370,449
XAVIER UNIVERSITY	0	0	0	0	36,332	0	0	0	0	0	0	\$36,332

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MARYLAND												
BOWIE STATE	0	0	17,519	0	29,706	1,922	0	0	0	0	0	\$49,147
U. OF MARYLAND ES	2,621,825	151	175,000	643,890	380,552	48,393	847,013	0	0	0	0	\$4,716,824
MISSISSIPPI												
ALCORN STATE	2,252,201	510,000	261,895	1,539,774	598,774	18,779	1,321,143	5,000	0	0	0	\$6,507,566
JACKSON STATE	22,197	0	0	0	0	0	0	0	0	0	3,000	\$25,197
MISSISSIPPI VALLEY	598,013	0	0	0	0	0	0	0	0	0	0	\$598,013
TOUGALOO COLLEGE	0	0	0	0	9,000	0	0	0	0	0	0	\$9,000
MISSOURI												
LINCOLN UNIVERSITY	2,161,003	366,111	365,136	749,353	539,691	172,745	2,002,099	0	0	0	0	\$6,356,138
NORTH CAROLINA												
JOHNSON C. SMITH	0	0	0	0	5,477	0	0	0	0	0	0	\$5,477
N. C. A&T STATE	3,820,438	464,581	70,000	718,816	338,618	95,355	2,384,762	0	0	0	3,000	\$7,895,570
OKLAHOMA												
LANGSTON UNIV.	3,520,429	464,683	2,000	672,726	205,774	14,410	1,196,996	0	0	0	0	\$6,077,018
PENNSYLVANIA												
LINCOLN UNIV.	0	0	0	0	0	4,487	0	0	0	0	5,900	\$10,387
SOUTH CAROLINA												
BENEDICT COLLEGE	0	0	0	0	50,126	0	0	0	0	0	0	\$50,126
S. C. STATE UNIV.	1,456,786	533,653	200,000	1,050,070	206,015	34,220	1,162,178	0	0	0	4,353	\$4,647,275
TENNESSEE												
TENNESSEE STATE	3,646,915	290,151	70,000	691,604	464,703	75,859	1,802,935	0	0	0	0	\$7,042,167
TEXAS												
PRAIRIE VIEW A&M	3,028,483	395,792	1,300	791,909	232,987	67,450	2,466,029	0	0	0	0	\$6,983,950

STATE/INSTITUTION	R&D	PE	TRAINING	R&E	FELLOWS	SEA	DS	TPA	PSI	AI	OTHER	TOTALS
VIRGINIA												
HAMPION UNIV.	0	0	0	0	4,978	0	0	0	0	0	0	\$4,978
NORFOLK STATE	0	0	0	0	3,000	0	0	0	0	0	0	\$3,000
VIRGINIA STATE	1,960,539	347,551	0	679,889	356,292	76,612	1,521,996	0	0	0	0	\$4,942,879
VIRGINIA UNION	0	0	0	0	9,577	0	0	0	0	0	0	\$9,577
WEST VIRGINIA												
W. VIRGINIA STATE	975,000	0	0	0	0	0	1,000,000	0	0	0	0	\$1,975,000
U.S. VIRGIN ISLANDS												
UNIV. OF THE V.I.	1,053,200	0	0	0	0	0	896,460	0	0	0	0	\$1,949,660
1800 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	1,776,144	\$1,776,144
UNDISTRIBUTED OTHER	1,484,938	30,000	30,277	1,716,808	1,167,906	107,366	1,033,720	51,252	0	0	347,030	\$5,969,297
<b>GRAND TOTAL FOR HBCUs</b>	<b>\$51,243,489</b>	<b>\$6,714,844</b>	<b>\$2,699,427</b>	<b>\$15,727,465</b>	<b>\$8,243,290</b>	<b>\$1,144,941</b>	<b>\$28,870,648</b>	<b>\$205,252</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,151,427</b>	<b>\$117,000,783</b>

## **EXECUTIVE SUMMARY**

The Department of Agriculture (USDA) has a strong and continuing commitment to strengthening its partnerships with Historically Black Colleges and Universities (HBCUs) as well as other minority serving institutions. The programs and activities build on the significant investments the Department has made in recent years in the entire range of opportunities to further mutual goals offered by HBCUs. The return on these investments can be seen on campuses in vibrant programs and new facilities, and throughout the country in the research, education and community assistance activities conducted through HBCUs and in the contributions HBCU graduates make as USDA employees through programs that touch the lives of virtually every U.S. citizen.

As the lead Federal agency for higher education in the food and agricultural sciences, USDA continues to work closely with colleges and universities to assure excellence in U.S. higher education. The Department also continues to work with institutions to insure that the nation has an adequate supply of scientists and professionals with requisite expertise in the food and agricultural sciences and to ensure the adequacy of the nation's research base in the food and agricultural sciences.

USDA works with all universities and colleges that have programs in the food and agricultural sciences but has a special relationship to the land-grant system. There are 105 land-grant institutions located in each State, the District of Columbia, and some territories and include the 30 tribal colleges designated as land-grant institutions in 1994. These land-grant institutions include Tuskegee University and 16 other institutions authorized to receive funds under the Second Morrill Act of 1890. These 1890 Institutions and Tuskegee University receive significant support under statutory formula programs to carry out food, agriculture and natural resources programs that fulfill the land-grant missions of research, education, and teaching and in this way contribute to many of the national goals of the Department of Agriculture.

During fiscal year 2000, USDA provided over \$117 million to support HBCUs. This constitutes 10.6 percent of total awards the Department made to all institutions of higher education during the fiscal year. In FY 1999 USDA provided \$100.2 million to HBCUs, 9.2 percent of total awards. We are very pleased to have increased our support to the schools by nearly \$17 million.

The principal programs and activities that USDA conducted during fiscal year 2000, and remain strong within the Department, are the following:

- 1) Building the research and teaching capacity of the 1890 HBCUs in the agricultural and natural resource related programs through faculty and curriculum development programs and facilities improvements. The Capacity Building Grants Program, a program of competitive awards for research and teaching begun in 1990, is the cornerstone to the Department's 1890 initiatives. During FY 2000, about half of the \$9.2 million was awarded to institutions to support 26 teaching projects and half was provided for 16 research awards.



2) Recruiting future employees by maintaining or increasing the number of students sponsored by USDA agencies through summer internships, the USDA National Scholars program, and fellowships. The USDA/1890 Scholars Program began in 1993. During 2000, 124 National Scholars were provided scholarships based on academic achievements, leadership qualities, and community service. The Department continues to strive to support at least two students from each 1890 Institution each year.

3) Increasing participation of the HBCUs in Departmental programs and missions, through grants, cooperative agreements, in-kind contributions, and USDA presence on campuses. There is a goal to establish and support at least one Center of Excellence – an on-campus entity that, at least in part, is dedicated to supporting the program objectives of one or more USDA agencies – at each 1890 University. The Department has established offices and placed Liaison Officers at each of the 17 campuses of designated 1890 Land-Grant Institutions. One of the USDA agencies also sponsored a Liaison Officer on the campus of West Virginia State College. The liaisons serve as a focal point for the university students and faculty to receive information on student and faculty development programs supported by the Department and all Departmental programs available to offer financial and other assistance. The Department's agencies collectively contributed about \$1.78 million in 2000 to support these liaison activities.

4) Maintaining the infrastructure at the 1890s by providing funding for research and extension program activities. Universities have broad authority to use research and extension formula funds to address state level problems. Generally, the 1890s place emphasis on small-scale agriculture, human nutrition, rural development and quality of living, crop resources, and animal resources. Extension programs conducted at the 1890 Institutions are designed to help a diverse audience, with emphasis on those with limited resources, to improve their quality of life through the application of educational, resource-based information focused on critical issues and problems. The main programs target the small-scale agricultural producer and provide the latest facilities and permanent equipment at the 1890s under a program that provides wide latitude to each institution to direct funding to its institution-established priorities.

## **RESEARCH AND DEVELOPMENT**

The Federal/university partnership in research and development has been an extraordinary success in the United States. Research is supported through a variety of mechanisms, including grants, cooperative agreements, and contracts. Regardless of purpose or mechanism, the research activities serve to enrich the learning environment and expand opportunities for participation by students and faculty. USDA provides both “agency- and investigator” assistance in the areas of the biological, physical and social sciences related to the food and fiber system.

One of the significant areas where USDA has provided assistance at Historically Black Colleges and Universities is in the development of Centers of Excellence at the 1890 Universities and Tuskegee University. These Centers of Excellence include: Tennessee State University at McMinnville in Horticulture; Alabama A&M University in Forestry; the University of Arkansas-Pine Bluff in Aquaculture and Regulatory Science and Risk Analysis; the University of Maryland-Eastern Shore in Food Safety; Lincoln University in Wildlife, Forestry, and Geographic Information Systems; Prairie View A&M University for the World Food Distribution Training Center; Alcorn State in Swine Production and Rural Life; Delaware State University in Food Safety in Aquaculture; Florida A&M University in Water Quality Engineering and Biological Control of Pests; North Carolina A&T State University in International Agriculture Trade; Langston University in Grazing Lands Management; Tuskegee University in Food Safety; South Carolina State in Community Development and Assisting Disadvantaged Communities; Virginia State University in Water Quality; and, Southern University and A&M College for Food, Nutrition and Health Promotion.

During FY 2000, more than \$51 million were provided for research and development, primarily through formula funds under Evans-Allen and the Capacity Building Grants program. Additional funding came from the Hatch Act, McIntire-Stennis Cooperative Forestry Research Act, Animal Health and Disease Research, Federal Administration, Special Research Grants, and Sustainable Agriculture Research and Education.

The 1890 Institutions Capacity Building Grants competitive programs serves as the crux of the Department’s high priority initiative to advance the teaching and research capacity of the 1890 Institutions. This program is intended to strengthen teaching and research programs in the food and agricultural sciences by building institutional capacities of the 1890 Institutions through cooperative initiatives with Federal and non-federal entities. It seeks to address the need to (1) attract more minority students into the food and agricultural sciences; and, (2) expand linkages among the 1890 Institutions to more firmly establish them as full partners in the food and agriculture system. In FY 2000, more than \$4.2 million were awarded for research grants.

## **PROGRAM EVALUATION**

USDA agencies continue to provide direct guidance to HBCUs on evaluation of programs and projects at the schools. Increased emphasis on accountability has created an adoption of procedures that need the interaction of university staff and federal administrators to propel programs forward smoothly and efficiently. This interaction also provides the universities an opportunity to enhance the programs that assist both professors and students to better develop the skills and capabilities needed for quality graduates.

ARS scientists participated in the Annual Farmers Conference and Outreach Training Workshops of the Grasslands Center of Excellence. These activities emphasized research-development linkages with the underserved farmer-client group.

During FY 2000, CSREES undertook a cooperative agreement to evaluate the 1890 Capacity Building Grants Program.

Section 2501 of the Food, Agriculture, Conservation, and Trade Act of 1990 (FACTA) authorized grants and contracts with land-grant institutions, the American Indian community colleges, Hispanic Serving Institutions and community based organizations to provide training and technical assistance with the objective of reversing the decline of socially disadvantaged farmers and ranchers across the nation. This outreach program is designed to enhance the ability of minority, small farmers, and ranchers to operate a farming or ranching enterprise independently and produce income adequate to service debt, maintain farm operations, and provide a reasonable life style. During FY 2000, over \$5.7 million were provided through HBCUs to the community.

## **TRAINING**

USDA utilizes its opportunities to interact with HBCUs by providing federal personnel to the campuses where the exchange of information will enhance learning capabilities and provide opportunities for teachers/educators to gain up-to-date information on changing policies and procedures. Through grant and agreement opportunities HBCUs are also providing training as outreach activities to many of the USDA customer base, especially small and limited resource farmers.

Several outstanding examples of assistance being provided for training include: the AMS funding for the Goat Standards Grading Project at Southern University as well as the Trueness to Variety project with Alabama A&M; and ARS providing scientists to teach in Rangeland Science course at Langston University.

The Forest Service remains a strong participant in the Forest Resources Program at Tuskegee University. Graduates from the program are employed in the Forest Service, as well as in the private and public sectors. FS also continues to support the Urban Forest Program at Southern University, which is the only urban forestry degree-granting program in the Nation. Graduates from this program are employed throughout the federal, private, and public sectors.

AMS established a cooperative agreement with Southern University and A&M College to assist in an Outreach Marketing Conference in Memphis, Tennessee. The workshop was targeted to minority, limited resource and other small farmers in seven Mid-South states and was designed to help them maximize their economic potential by providing information about developing effective marketing plans to produce and market quality products.

## **FACILITIES AND EQUIPMENT**

USDA is fortunate to have opportunities to provide facilities and equipment to 1890 Universities and Tuskegee University through several programs. The largest program opportunity is through the CSREES 1890 Facilities Program, reauthorized during FY 98. During FY 2000, more than \$14.8 million were awarded to continue support for facilities improvement and acquisition programs. Projects include upgrading of research, education and extension facilities and provide modern, state-of-the-art facilities and related equipment needed to support developing programs. Improved facilities also encourage institutional growth, as they are an asset in recruitment and retention of high quality faculty and students.

USDA has had the authority since June 1989 to transfer excess personal property to 1890 Land-Grant Institutions and Tuskegee University. Since that time, property with an original acquisition cost in excess of \$22 million has been transferred to the schools. The property is being used in support of agricultural research and extension programs at the schools. During FY 2000, approximately \$798,000 of excess personal property (original acquisition cost) was transferred to the 1890 Universities and Tuskegee University.

The research and extension complex at Alcorn State University was dedicated in October 1999. This building was funded through use of the CSREES 1890 Facilities Program. The complex has more than 36,000 square feet which provides space for offices, a conference center, biotech lab, telecommunications center, media center and an auditorium.

## **FELLOWSHIPS, TRAINEESHIPS, INTERNSHIPS, RECRUITMENT, AND IPAs**

USDA remains strongly committed to enhancing human capacity building in the food and agricultural sciences. Efforts are made throughout the agencies to utilize as many resources as can be made available to enhance the capacities of the HBCUs to recruit and retain highly qualified students and faculty. USDA also provides support for utilizing and developing the professional faculty and staff as a source of expertise deemed important to carrying out the agencies' missions.

Agencies are supporting many IPA positions at the 1890 Universities and Tuskegee University to better assist existing faculty and students. An FSIS management official is serving on IPA assignment with Edward Waters College in Florida. The purpose of the assignment is to provide advice and counsel to the president on food safety curriculum issues. In addition, the employee serves as a lecturer to science and nutrition classes on food safety issues, provides guidance to the Special Assistant for Community Development in the area of food safety, and is involved in developing a recruitment plan to increase student enrollment in science courses related to food safety.

FSIS also partnered with APHIS to establish an IPA assignment at Tuskegee University in FY 2000. The employee was assigned to Tuskegee's Center for Integrated Food Plant and Animal Systems to carry out risk assessment projects, develop risk assessment training programs for USDA agency personnel and develop a graduate program that includes risk assessment as a minor degree.

The CSREES administers the Fellows Program, which offers faculty and staff affiliated with land-grant institutions an opportunity to work in Washington, D.C. to gain experience which can foster the professional growth and development of the staff. One of the five Fellows in the FY 2000 program was from an 1890 Institution.

The 1890 Capacity Building Grants program provided more than \$4.3 million for teaching awards in FY 2000. The funds supported 26 projects located throughout the 1890 Institution community.

## **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

The USDA 1890 National Scholars Program was developed to increase the number of academic high achievers studying the agriculture-related disciplines and to offer career opportunities to these scholars. The Program strives to provide 34 or more full scholarships each year. During 2000 the Department sponsored 124 National Scholars in the food, agriculture and natural resources programs at the seventeen 1890 Land-Grant Institutions.

All agencies participate in the 1890 National Scholars program supporting the students with tuition, books, fees, and cooperative education appointments during their four years of academic study. Upon graduation scholars may be converted to permanent appointments.

APHIS continues to support the Veterinary Technician Program at Fort Valley State University. Funds are provided for scholarships, supplies, and equipment to encourage students' development in the field of veterinary science.

## **DIRECT INSTITUTIONAL SUBSIDIES**

CSREES, under the Smith-Level Sections 3b&c, receives appropriated funds for Extension Base Programs for the land-grant institutions. The Base Programs are major educational efforts with the wider community that is central to the mission of the Cooperative Extension System and common to most Extension units.

Several agencies contribute to the Agriculture Helps Our People Earn (AG-Hope) program at Alcorn State University. This program is designed to support the recruitment of high school students in food and agricultural sciences and to create a greater awareness of career opportunities in the food and agricultural sciences.



## **THIRD PARTY AWARDS**

Providing assistance through third party awards remains a part of the USDA budget. USDA continued support for the ScienceWise.com system. This is a free on-line information retrieval service of federal opportunities, which serves as an outreach tool to promote enhanced communication to colleges, universities and other educational and research organizations.

Many of the USDA agencies continue support for the Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) conference, held annually. Students are heavily encouraged to attend this conference and agencies also provide recruitment and possible job information.

## **OTHER**

One of the USDA/1890 Task Force goals was the establishment of an USDA Agricultural Liaison Officer position on each 1890 land-grant campus and Tuskegee University. The functions of the liaison officers include representing USDA, providing interagency coordination, serving as a key point of contact, helping recruit high school students, and fostering better communications between the campuses and USDA. The 17 campus liaison officers also coordinate programs of curriculum development, recruit and counsel students on USDA employment opportunities and develop new approaches to reach small-scale, limited-resource and minority farmers. All USDA agencies share the costs to support these 17 positions.

When USDA established the Capacity Building Grants programs, schools requesting grants were required to obtain an USDA-agency sponsor for each individual proposal. The program has proven very beneficial to the schools in the mentoring and development of projects that serve to benefit them and respond to agency mission needs. Each year, agencies respond to a minimum of four to six requests for support of Capacity Building Grants proposals.

CSREES staff played a major role in the inception of the Millennium Awards program for researchers and teachers in science and technology, a program sponsored for the first year by the Science and Technology Cluster of the White House Initiative. Six individuals from HBCUs were recognized for their excellence during National HBCU Week in September 2000.

## **AGENCY SUMMARIES BY MISSION AREA**

**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**FY 2000 PERFORMANCE REPORT**  
**SUMMARY OF AGENCY AWARDS, BY MISSION AREA AND AGENCY**  
**HISTORICALLY BLACK COLLEGES AND UNIVERSITIES**

<b>MISSION AREA AND AGENCY</b>	<b>HBCUs</b>
<b>FARM AND FOREIGN AGRICULTURAL SERVICES (FFAS)</b>	
Farm Service Agency .....	\$644,733
Foreign Agricultural Service .....	1,586,649
Risk Management Agency .....	30,345
Total, FFAS .....	2,261,727
<b>FOOD, NUTRITION, AND CONSUMER SERVICES (FNCS)</b>	
Food and Nutrition Service .....	120,262
<b>FOOD SAFETY (FS)</b>	
Food Safety and Inspection Service .....	549,919
<b>NATURAL RESOURCES AND ENVIRONMENT (NRE)</b>	
Forest Service .....	4,212,748
Natural Resources Conservation Service .....	2,762,064
Total, NRE .....	6,974,812
<b>RESEARCH, EDUCATION AND ECONOMICS (REE)</b>	
Agricultural Research Service .....	9,439,891
Cooperative State Research, Education, and Extension Service ..	86,100,965
Economic Research Service .....	84,938
National Agricultural Statistics Service .....	112,445
Total, REE .....	95,738,239
<b>RURAL DEVELOPMENT (RD)</b>	
Rural Development .....	2,378,084
<b>MARKETING AND REGULATORY PROGRAMS (MRP)</b>	
Agricultural Marketing Service .....	64,402
Animal and Plant Health Inspection Service .....	1,642,271
Grain Inspection, Packers, and Stockyards Administration .....	84,249
Total, MRP .....	1,790,922
<b>DEPARTMENTAL ACTIVITIES</b>	
Departmental Administration .....	6,700,370
Executive Operations .....	8,609
Office of the Chief Financial Officer .....	424,585
Office of the Chief Information Officer .....	28,799
Office of Communications .....	2,260
Office of the General Counsel .....	6,920
Office of the Inspector General .....	13,769
Office of the Secretary .....	1,507
Total, Departmental Activities .....	7,186,819
<b>TOTAL, USDA, FY 2000 .....</b>	<b>\$117,000,783</b>

**UNITED STATES DEPARTMENT OF AGRICULTURE  
HBCU AWARDS TO INSTITUTIONS  
FY 2000**

**FARM AND FOREIGN AGRICULTURAL SERVICES:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	0	0	0	0	\$12,003	0	0	0	0	0	0	\$12,003
TUSKEGEE UNIVERSITY	\$279,054	0	0	0	0	0	0	0	0	0	0	279,054
ARKANSAS												
U. OF ARKANSAS @ PB	0	\$151	0	0	11,103	\$10,008	0	0	0	0	0	21,262
DELAWARE												
DELAWARE STATE	0	151	0	0	8,956	8,799	0	0	0	0	0	17,906
DISTRICT OF COLUMBIA												
UNIV. OF D. C.	0	0	0	0	15,313	0	0	0	0	0	0	15,313
FLORIDA												
FLORIDA A&M	30,000	151	0	0	6,255	14,010	0	0	0	0	0	50,416
GEORGIA												
FORT VALLEY STATE	29,000	151	0	0	16,775	3,268	0	0	0	0	0	49,194
KENTUCKY												
KENTUCKY STATE	0	151	0	0	6,810	3,650	0	0	0	0	0	10,611
LOUISIANA												
SOUTHERN U. & A&M	0	151	0	0	3,899	4,950	0	0	0	0	0	9,000
MARYLAND												
BOWIE STATE	0	0	0	0	21,154	0	0	0	0	0	0	21,154
U. OF MARYLAND ES	602,484	151	0	0	9,709	9,093	0	0	0	0	0	621,437
MISSISSIPPI												
ALCORN STATE	0	0	0	0	30,391	4,199	0	0	0	0	0	34,590

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MISSOURI												
LINCOLN UNIVERSITY	126,192	151	0	0	0	0	0	0	0	0	0	126,343
NORTH CAROLINA												
JOHNSON C. SMITH	0	0	0	0	5,477	0	0	0	0	0	0	5,477
N. C. A&T STATE	658,019	151	0	0	6,306	0	0	0	0	0	0	664,476
OKLAHOMA												
LANGSTON UNIV.	10,000	0	0	0	0	0	0	0	0	0	0	10,000
SOUTH CAROLINA												
S. C. STATE UNIV.	0	151	0	0	22,515	14,278	0	0	0	0	0	36,944
TENNESSEE												
TENNESSEE STATE	0	151	0	0	73,572	5,397	0	0	0	0	0	79,120
TEXAS												
PRAIRIE VIEW A&M	0	151	0	0	28,164	15,150	0	0	0	0	0	43,465
VIRGINIA												
VIRGINIA STATE	0	151	0	0	12,340	5,050	0	0	0	0	0	17,541
VIRGINIA UNION	0	0	0	0	3,318	0	0	0	0	0	0	3,318
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	133,103	133,103
<b>TOTAL, FFAS FY 2000</b>	<b>1,734,749</b>	<b>1,963</b>	<b>0</b>	<b>0</b>	<b>294,060</b>	<b>97,852</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,103</b>	<b>2,261,727</b>

**FOOD, NUTRITION, AND CONSUMER SERVICES:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ARKANSAS												
U. OF ARKANSAS @ PB	0	0	0	0	3,481	10,200	0	0	0	0	0	13,681
DELAWARE												
DELAWARE STATE	0	0	0	0	6,481	9,964	0	0	0	0	0	16,445
FLORIDA												
FLORIDA A&M	0	0	0	0	3,481	6,594	0	0	0	0	0	10,075
NORTH CAROLINA												
N. C. A&T STATE	0	0	0	0	0	1,415	0	0	0	0	0	1,415
OKLAHOMA												
LANGSTON UNIV.	0	0	0	0	0	5,410	0	0	0	0	0	5,410
SOUTH CAROLINA												
S. C. STATE UNIV.	0	0	0	0	0	2,342	0	0	0	0	0	2,342
TENNESSEE												
TENNESSEE STATE	0	0	0	0	3,481	9,236	0	0	0	0	0	12,717
VIRGINIA												
NORFOLK STATE	0	0	0	0	3,000	0	0	0	0	0	0	3,000
VIRGINIA STATE	0	0	0	0	6,962	15,237	0	0	0	0	0	22,199
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	32,977	32,977
<b>TOTAL, FY 2000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26,886</b>	<b>60,399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,977</b>	<b>120,262</b>

FOOD SAFETY:												
STATE/INSTITUTION	R&D	PE	TRAINING	R&E	FELLOWS	SEA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M		0	0	0	5,782	5,848	0	0	0	0	0	11,630
TUSKEGEE UNIVERSITY	0	0	0	0	50,577	0	0	0	0	0	0	50,577
ARKANSAS												
U. OF ARKANSAS @ PB	0	20,000	0	0	0	0	0	0	0	0	0	20,000
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	0	0	0	0	7,132	0	0	0	0	0	0	7,132
UNIV. OF D. C.	0	0	0	0	22,166	0	0	0	0	0	0	22,166
FLORIDA												
EDWARD WATERS	0	0	0	0	109,415	0	0	0	0	0	0	109,415
FLORIDA A&M	0	30,000	0	0	0	0	0	0	0	0	0	30,000
MARYLAND												
U. OF MARYLAND ES	0	0	0	0	6,259	0	0	0	0	0	0	6,259
NORTH CAROLINA												
N. C. A&T STATE	0	20,000	0	0	9,920	11,600	0	0	0	0	0	41,520
OKLAHOMA												
LANGSTON UNIV.	0	20,000	0	0	0	0	0	0	0	0	0	20,000
TENNESSEE												
TENNESSEE STATE	0	15,000	0	0	0	0	0	0	0	0	0	15,000
TEXAS												
PRAIRIE VIEW A&M	0	19,141	0	0	0	0	0	0	0	0	0	19,141



STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
VIRGINIA												
HAMPTON UNIV.	0	0	0	0	4,978	0	0	0	0	0	0	4,978
VIRGINIA UNION	0	0	0	0	6,259	0	0	0	0	0	0	6,259
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	178,342	178,342
Undistributed	0	0	0	0	7,500	0	0	0	0	0	0	7,500
<b>TOTAL, FS FY 2000</b>	<b>0</b>	<b>124,141</b>	<b>0</b>	<b>0</b>	<b>229,988</b>	<b>17,448</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>178,342</b>	<b>549,919</b>

**NATURAL RESOURCES AND ENVIRONMENT:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	413,392	0	0	\$13,820	442,250	56,800	\$50,000	0	0	0	0	976,262
TUSKEGEE UNIVERSITY	24,219	0	\$100,000	0	227,000	69,500	0	0	0	0	0	420,719
ARKANSAS												
U. OF ARKANSAS @ PB	506,000	0	0	0	0	13,800	0	0	0	0	0	519,800
DELAWARE												
DELAWARE STATE	0	0	0	0	4,500	18,000	0	0	0	0	0	22,500
FLORIDA												
FLORIDA A&M	843,906	0	0	0	192,500	26,650	0	0	0	0	0	1,063,056
GEORGIA												
ALBANY STATE	0	0	0	0	0	0	0	0	0	0	0	0
CLARK ATLANTA U.	163,531	0	0	0	0	0	0	0	0	0	0	163,531
FORT VALLEY STATE	0	0	0	0	2,500	10,500	0	0	0	0	0	13,000
KENTUCKY												
KENTUCKY STATE	0	25,000	0	0	0	8,000	0	0	0	0	0	33,000
LOUISIANA												
SOUTHERN/BATON ROUGE	65,419	452,500	120,000	0	335,000	14,350	65,000	0	0	0	0	1,052,269

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SEA	DIS	TPA	PSI	AI	OTHER	TOTALS
MARYLAND												
U. OF MARYLAND ES	0	0	0	0	0	10,900	0	0	0	0	0	10,900
MISSISSIPPI												
ALCORN STATE	87,200	0	0	0	0	7,500	10,000	0	0	0	0	104,700
JACKSON STATE	22,197	0	0	0	0	0	0	0	0	0	0	22,197
MISSOURI												
LINCOLN UNIVERSITY	0	0	263,136	38,136	4,500	154,300	0	0	0	0	0	460,072
NORTH CAROLINA												
N. C. A&T STATE	0	65,000	0	0	2,250	61,100	0	0	0	0	0	128,350
OKLAHOMA												
LANGSTON UNIV.	442,000	0	2,000	0	13,500	9,000	0	0	0	0	0	466,500
SOUTH CAROLINA												
S. C. STATE UNIV.	48,736	0	0	0	0	5,100	0	0	0	0	0	53,836
TENNESSEE												
TENNESSEE STATE	0	0	0	0	11,250	55,000	0	0	0	0	0	66,250
TEXAS												
PRAIRIE VIEW A&M	0	0	0	0	2,250	47,700	0	0	0	0	0	49,950
VIRGINIA												
VIRGINIA STATE	150,000	0	0	0	0	31,600	0	0	0	0	0	181,600
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	855,420	855,420
Undistributed	0	0	0	0	0	0	0	0	0	0	310,900	310,900
<b>TOTAL, NRE FY 2000</b>	<b>2,766,600</b>	<b>542,500</b>	<b>485,136</b>	<b>51,956</b>	<b>1,237,500</b>	<b>599,800</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,166,320</b>	<b>6,974,812</b>

**RESEARCH, EDUCATION AND ECONOMICS (REE):**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	2,790,209	0	0	666,710	180,000	0	1,328,487	0	0	0	0	4,965,406
TUSKEGEE UNIVERSITY	1,668,425	0	13,000	667,410	0	0	1,328,487	0	0	0	6,000	3,683,322
ARKANSAS												
U. OF ARKANSAS @ PB	4,079,788	0	0	658,969	364,240	0	1,199,832	\$140,000	0	0	0	6,442,829
DELAWARE												
DELAWARE STATE	1,772,525	0	0	621,909	366,305	0	433,652	0	0	0	3,000	3,197,391
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	64,173	0	800	0	0	0	0	0	0	0	0	64,973
UNIV. OF D. C.	458,486	0	0	0	0	0	998,688	0	0	0	0	1,457,174
FLORIDA												
FLORIDA A&M	2,514,426	0	0	669,083	300,813	0	1,117,451	9,000	0	0	0	4,610,773
GEORGIA												
FORT VALLEY STATE	2,659,639	0	0	1,600,258	10,800	5,600	1,600,131	0	0	0	0	5,876,428
KENTUCKY												
KENTUCKY STATE	2,397,153	0	0	561,287	173,538	0	2,004,220	0	0	0	0	5,136,198
LOUISIANA												
SOUTHERN U. & A&M	425,000	0	0	654,989	185,298	0	1,101,869	0	0	0	3,000	2,370,156
SOUTHERN/BATON ROUGE	1,297,177	0	4,500	0	3,069	9,000	0	0	0	0	0	1,313,746
MARYLAND												
U. OF MARYLAND ES	2,019,341	0	0	643,890	347,640	0	847,013	0	0	0	0	3,857,884
MISSISSIPPI												
ALCORN STATE	2,165,001	0	0	1,489,774	537,007	0	1,311,143	5,000	0	0	0	5,507,925
JACKSON STATE	0	0	0	0	0	0	0	0	0	0	3,000	3,000
MISSISSIPPI VALLEY	598,013	0	0	0	0	0	0	0	0	0	0	598,013
TOUGALOO COLLEGE	0	0	0	0	9,000	0	0	0	0	0	0	9,000

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SEA	DIS	TPA	PSI	AI	OTHER	TOTALS
MISSOURI												
LINCOLN UNIVERSITY	2,034,811	0	0	711,217	530,617	7,785	2,002,099	0	0	0	0	5,286,529
NORTH CAROLINA												
N. C. A&T STATE	3,162,419	0	0	718,816	320,142	0	2,384,762	0	0	0	3,000	6,589,139
OKLAHOMA												
LANGSTON UNIV.	3,068,429	0	0	664,694	192,274	0	1,196,996	0	0	0	0	5,122,393
SOUTH CAROLINA												
BENEDICT COLLEGE	0	0	0	0	50,126	0	0	0	0	0	0	50,126
S. C. STATE UNIV.	1,408,050	0	0	662,374	183,500	5,000	1,162,178	0	0	0	0	3,421,102
TENNESSEE												
TENNESSEE STATE	3,646,915	0	0	691,604	376,400	4,373	1,802,935	0	0	0	0	6,522,227
TEXAS												
PRAIRIE VIEW A&M	3,028,483	0	1,300	747,798	197,860	0	2,466,029	0	0	0	0	6,441,470
VIRGINIA												
VIRGINIA STATE	1,810,539	18,600	0	679,889	328,518	9,725	1,521,996	0	0	0	0	4,369,267
WEST VIRGINIA												
W. VIRGINIA STATE	975,000	0	0	0	0	0	1,000,000	0	0	0	0	1,975,000
U.S. VIRGIN ISLANDS												
UNIV. OF THE V. I.	1,053,200	0	0	0	0	0	896,460	0	0	0	0	1,949,660
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	180,567	180,567
Undistributed	1,484,938	30,000	30,277	1,716,808	359,668	0	1,033,720	45,000	0	0	36,130	4,736,541
<b>TOTAL, REE FY 2000</b>	<b>46,582,140</b>	<b>48,600</b>	<b>49,877</b>	<b>14,827,479</b>	<b>5,016,815</b>	<b>41,483</b>	<b>28,738,148</b>	<b>199,000</b>	<b>0</b>	<b>0</b>	<b>234,697</b>	<b>95,738,239</b>

RURAL DEVELOPMENT: STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
TUSKEGEE UNIVERSITY	0	0	150,000	0	0	0	0	0	0	0	0	150,000
ARKANSAS												
U. OF ARKANSAS @ PB	0	0	350,000	0	0	0	0	0	0	0	0	350,000
DELAWARE												
DELAWARE STATE	0	0	175,000	0	0	0	0	0	0	0	0	175,000
GEORGIA												
FORT VALLEY STATE	0	0	275,000	0	0	0	0	0	0	0	0	275,000
LOUISIANA												
SOUTHERN/NEW ORLEANS	0	0	273,000	0	0	0	0	0	0	0	0	273,000
MARYLAND												
BOWIE STATE	0	0	17,519	0	0	0	0	0	0	0	0	17,519
U. OF MARYLAND ES			175,000									175,000
MISSISSIPPI												
ALCORN STATE	0	0	261,895	50,000	0	0	0	0	0	0	0	311,895
NORTH CAROLINA												
N. C. A&T STATE	0	0	70,000	0	0	0	0	0	0	0	0	70,000
SOUTH CAROLINA												
S. C. STATE UNIV.	0	0	200,000	0	0	0	0	0	0	0	0	200,000
TENNESSEE												
TENNESSEE STATE	0	0	70,000	0	0	0	0	0	0	0	0	70,000
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	130,514	130,514
Undistributed	0	0	0	0	121,667	58,489	0	0	0	0	0	180,156
<b>TOTAL, RD FY 2000</b>	<b>0</b>	<b>0</b>	<b>2,017,414</b>	<b>50,000</b>	<b>121,667</b>	<b>58,489</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,514</b>	<b>2,378,084</b>

**MARKETING AND REGULATORY PROGRAMS:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
TUSKEGEE UNIVERSITY	160,000	70,000	0	0	153,292	0	0	0	0	0	0	383,292
ARKANSAS												
U. OF ARKANSAS @ PB	0	0	45,000	0	13,992	3,612	0	0	0	0	0	62,604
FLORIDA												
FLORIDA A&M	0	0	0	0	0	19,490	0	0	0	0	0	19,490
GEORGIA												
FORT VALLEY STATE	0	0	0	0	0	61,900	0	0	0	0	0	61,900
LOUISIANA												
SOUTHERN U. & A&M	0	0	0	0	17,509	7,250	7,500	0	0	0	0	32,259
MARYLAND												
BOWIE STATE	0	0	0	0	4,715	1,922	0	0	0	0	0	6,637
MISSISSIPPI												
ALCORN STATE	0	0	0	0	0	7,080	0	0	0	0	0	7,080
MISSOURI												
LINCOLN UNIVERSITY	0	145,000	102,000	0	4,574	10,660	0	0	0	0	0	262,234
NORTH CAROLINA												
N. C. A&T STATE	0	0	0	0	0	21,240	0	0	0	0	0	21,240
TENNESSEE												
TENNESSEE STATE	0	0	0	0	0	1,853	0	0	0	0	0	1,853

STATE/INSTITUTION	R&D	FE	TRAINING	R&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
TEXAS												
PRAIRIE VIEW A&M	0	0	0	0	4,713	4,600	0	0	0	0	0	9,313
VIRGINIA												
VIRGINIA STATE	0	0	0	0	0	5,000	0	0	0	0	0	5,000
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	190,379	190,379
Undistributed	0	0	0	0	679,071	42,318	0	6,252	0	0	0	727,641
<b>TOTAL, MRP FY 2000</b>	<b>160,000</b>	<b>215,000</b>	<b>147,000</b>	<b>0</b>	<b>877,866</b>	<b>186,925</b>	<b>7,500</b>	<b>6,252</b>	<b>0</b>	<b>0</b>	<b>190,379</b>	<b>1,790,922</b>

**OTHER DEPARTMENTAL ACTIVITIES:**

STATE/INSTITUTION	R&D	FE	TRAINING	R&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	0	300,668	0	51,354	0	0	0	0	0	0	0	352,022
TUSKEGEE UNIVERSITY	0	399,000	0	306,837	0	0	0	0	0	0	0	705,837
ARKANSAS												
U. OF ARKANSAS @ PB	0	371,000	0	0	0	0	0	0	0	0	0	371,000
DELAWARE												
DELAWARE STATE	0	367,000	0	0	16,944	25,600	0	0	0	0	0	409,544
FLORIDA												
FLORIDA A&M	0	252,694	0	0	0	0	0	0	0	0	0	252,694
GEORGIA												
FORT VALLEY STATE	0	299,603	0	0	0	0	0	0	0	0	0	299,603
KENTUCKY												
KENTUCKY STATE	0	271,300	0	0	0	0	0	0	0	0	0	271,300

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
LOUISIANA												
DILLARD UNIVERSITY	0	0	0	0	164,042	0	0	0	0	0	0	164,042
SOUTHERN U. & A&M	0	452,500	0	0	0	0	0	0	0	0	0	452,500
SOUTHERN/BATON ROUGE	0	0	0	0	63,112	0	0	0	0	0	0	63,112
SOUTHERN/NEW ORLEANS	0	0	0	0	97,449	0	0	0	0	0	0	97,449
XAVIER UNIVERSITY	0	0	0	0	36,332	0	0	0	0	0	0	36,332
MARYLAND												
BOWIE STATE	0	0	0	0	3,837	0	0	0	0	0	0	3,837
U. OF MARYLAND ES	0	0	0	0	16,944	28,400	0	0	0	0	0	45,344
MISSISSIPPI												
ALCORN STATE	0	510,000	0	0	31,376	0	0	0	0	0	0	541,376
MISSOURI												
LINCOLN UNIVERSITY	0	220,960	0	0	0	0	0	0	0	0	0	220,960
NORTH CAROLINA												
N. C. A&T STATE	0	379,430	0	0	0	0	0	0	0	0	0	379,430
OKLAHOMA												
LANGSTON UNIV.	0	444,683	0	8,032	0	0	0	0	0	0	0	452,715
PENNSYLVANIA												
LINCOLN UNIV.	0	0	0	0	0	4,487	0	0	0	0	5,900	10,387
SOUTH CAROLINA												
S. C. STATE UNIV.	0	533,502	0	387,696	0	7,500	0	0	0	0	4,353	933,051
TENNESSEE												
TENNESSEE STATE	0	275,000	0	0	0	0	0	0	0	0	0	275,000
TEXAS												
PRAIRIE VIEW A&M	0	376,500	0	44,111	0	0	0	0	0	0	0	420,611



STATE/INSTITUTION	R&D	PE	TRAINING	R&E	ELLOWS	SEA	DIS	TPA	PSI	AI	OTHER	TOTALS
VIRGINIA												
VIRGINIA STATE	0	328,800	0	0	8,472	10,000	0	0	0	0	0	347,272
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	74,842	74,842
Undistributed	0	0	0	0	0	6,559	0	0	0	0	0	6,559
<b>TOTAL, OTHER DA FY 2000</b>	<b>0</b>	<b>5,782,640</b>	<b>0</b>	<b>798,080</b>	<b>438,508</b>	<b>82,546</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,095</b>	<b>7,186,819</b>
<b>TOTAL, USDA FY 2000</b>	<b>51,243,489</b>	<b>6,714,844</b>	<b>2,699,427</b>	<b>15,727,465</b>	<b>8,243,290</b>	<b>1,144,941</b>	<b>28,870,648</b>	<b>205,252</b>	<b>0</b>	<b>0</b>	<b>2,151,427</b>	<b>117,000,783</b>
FFAS .....	1,734,749	1,963	0	0	294,060	97,852	0	0	0	0	133,103	2,261,727
FNCS .....	0	0	0	0	26,886	60,399	0	0	0	0	32,977	120,262
FS .....	0	124,141	0	0	229,988	17,448	0	0	0	0	178,342	549,919
NRE .....	2,766,600	542,500	485,136	51,956	1,237,500	599,800	125,000	0	0	0	1,166,320	6,974,812
REE .....	46,582,140	48,600	49,877	14,827,479	5,016,815	41,483	28,738,148	199,000	0	0	234,697	95,738,239
RD .....	0	0	2,017,414	50,000	121,667	58,489	0	0	0	0	130,514	2,378,084
MRP .....	160,000	215,000	147,000	0	877,866	186,925	7,500	6,252	0	0	190,379	1,790,922
Other .....	0	5,782,640	0	798,080	438,508	82,546	0	0	0	0	85,095	7,186,819
<b>TOTAL, USDA FY 2000 .....</b>	<b>\$51,243,489</b>	<b>\$6,714,844</b>	<b>\$2,699,427</b>	<b>\$15,727,465</b>	<b>\$8,243,290</b>	<b>\$1,144,941</b>	<b>\$28,870,648</b>	<b>\$205,252</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,151,427</b>	<b>\$117,000,783</b>

## **FARM AND FOREIGN AGRICULTURAL SERVICES**

The mission of the Farm and Foreign Agricultural Services (FFAS) area is to ensure the well-being of U.S. agriculture through delivery of commodity, credit, conservation, insurance, and export programs. FFAS agencies include the Farm Service Agency (FSA), the Risk Management Agency (RMA), and the Foreign Agricultural Service (FAS). The Commodity Credit Corporation (CCC) is the source of funding for most of the conservation and commodity programs administered by FSA and the export programs administered by FAS.

### **FOREIGN AGRICULTURAL SERVICE**

#### **RESEARCH AND DEVELOPMENT**

The Foreign Agricultural Service (FAS) has a continuing working relationship with Historically Black Colleges and Universities (HBCUs) on binational collaborative research projects of benefit to U.S. agriculture. FAS' International Cooperative and Development (ICD) staff has established these cooperative agreements with HBCUs to fund projects dealing with various aspects of technical agricultural research and assistance. These projects are funded by reimbursable contracts with the U.S. Agency for International Development (USAID). A total of \$1,525,829.00 was provided to support these research projects.

#### **Research and Exchange Projects with Minority Institutions**

As a part of its support for maintaining a sound scientific base for agricultural trade, and in continuation of its work with the Historically Black Colleges and Universities (HBCUs) and the Hispanic American Colleges and Universities (HACU), the Foreign Agricultural Service has committed \$350,000 in appropriated funds for fourteen collaborative research projects and exchange visits. The Scientific Cooperation Program managed by the FAS/ICD program area funds these projects and visits. The initiatives fund mutually beneficial collaboration between and among scientists from HBCUs and HSIs and from thirteen countries to address issues that hinder economically and environmentally sustainable agricultural systems. The Scientific Cooperation Program also supports USDA objectives to use biotechnology in resolving food safety and Sanitary and Phytosanitary (SPS) concerns; enhance trade opportunities; and support small and limited resource farmer issues.

#### **Research Projects with 1890 Institutions**

Florida A&M University

***Control of Noxious Weed Imperata cylindrica with Emphasis on Non-Chemical Means: A Project to Enhance Soil Environmental Quality***, a \$30,000 three year project (1998-2001) with Florida A&M University and the Crops Research Institute in Ghana focusing on non-chemical control of the noxious weed cogon grass or speargrass. In North Florida and other Gulf Coast

States, annual losses to forestry and agriculture are projected as high as \$20 million, and in Ghana, the persistent and aggressive weed has become a major constraint to food production.

***Improving Grape Resistance to Pierce's Disease and Anthracnose in the Southeastern United States***, a \$30,000 three year project (1998-2001) to help the struggling grape industry in the southeastern United States by linking Florida A&M University and the China Agricultural University to evaluate Chinese grape germplasm for resistance traits to the lethal Pierce's disease and anthracnose, which damages young shoots and fruit clusters and can reduce grape productivity over 50 percent, and traits for improved fruit quality.

***Stabilization and Utilization of Seafood Processing Waste as a Feed Supplement for Small Ruminants, and as Slow Release Fertilizer for Crop Production***, a \$30,000 three year (1999-2002) project with Florida A&M University and Ghana's University of Legon collaborating on research to develop products and alternative methods to recycle waste from the seafood industry, reduce feed costs for small ruminants, and produce a slow release nitrogen fertilizer.

#### **Fort Valley State University**

***Evaluating Sustainability and Developing Production Optimization Strategies for Grass-Legume Pasture Systems for Small Ruminant Production***, a \$30,000 three year (1998-2001) project with Fort Valley State University joining Alemaya Agricultural University and the International Livestock Research Center in Ethiopia to develop year-round forage-based production systems to increase profitability of small livestock production systems in each country. This cooperative research aims to reduce dependence on concentrate feeding, the major expense for small ruminants such as goats and sheep.

***Biological Control (BC) of Gastrointestinal Nematodes in Goats Using Nematode-Trapping Fungi***, a \$27,500 three year project (1999-2002) with Fort Valley State University and Denmark's Royal Veterinary and Agricultural University collaborating on research to determine effective biological control of the internal parasites that are a major obstacle and limits growth of the goat industry in the Southeast and other areas of the United States.

#### **Langston University**

***Anthelmintic Plants for Internal Parasite Control in Goats***, a \$30,000 three year project (1998-2001) with Langston University and Oklahoma State University researchers joining Ethiopia's Awasa College of Agriculture scientists in collaborative research to evaluate medicinal plants and plant extracts to control internal parasites in goats. This research would enhance U.S. capabilities to acquire and effectively use alternative, sustainable sources of natural anthelmintics.

***A Search for Novel Mutations in Genes that Significantly Impact Productivity and Profitability of Chickens in Alabama and West Africa***, a \$30,000 three year project (1997-2000) with Tuskegee University researchers collaborating with scientists in Nigeria and

Senegal using biotechnology to identify genes with economically important traits for poultry, including disease resistance.

### **Participant Training**

FAS International Cooperation and Development staff, through funding provided by USAID, has entered into International Development Partnerships with Historically Black Colleges and Universities and Foreign International Universities to develop curriculum to train participants in developing countries and to enhance their economic growth and development. Awards were provided to the following HBCUs:

Research Links with Ethiopian University, Fort Valley State and CGLAR Research Center – FAS facilitating a 3-year project with Fort Valley State University and Ethiopia's Alemaya Agricultural University; and the International Research Center, a CGLAR International Center located in Ethiopia. The project will develop year-round forage-based systems to increase profitability of small livestock production.

Fort Valley State University and Denmark's Royal Veterinary and Agricultural University are collaborating on research to determine effective biological control of the internal parasites that are a major obstacle limiting growth of the goat industry.

### **Research and Exchange Projects with Africa and 1890 Land Grant Institutions**

Florida A&M, Fort Valley State, Langston, Prairie View and Tuskegee Universities are conducting joint research with scientists in Ethiopia, Ghana, Kenya, Nigeria, Senegal, South Africa, and Zimbabwe. Currently, over \$170,000 are committed to supporting eight mutually beneficial international research and exchange activities involving the five 1890 institutions and seven African countries.

### **Scientific Cooperation Benefits Domestic and Global Food Security**

USDA and FAS priorities for increased focus on food safety, biotechnology, value-added and alternative products, enhancing trade, Africa, globalizing agricultural education, and participation of minority institutions, women, and International Agricultural Research Centers are addressed in Scientific Cooperation Program research projects.

Women scientists from Prairie View University and the University of Costa Rica led a joint research project which provided new information for developing high quality, nutritious and safe food products using some of the 5-15 million tons of edible fish dumped at sea by shrimp trawlers each year.

FAS represented USDA at the Florida A&M University White House Initiative on Historically Black Colleges and Universities Regional Workshop on International Funding and Career Opportunities. FAS conducted a variety of workshops on agency international programs and careers.

## **STUDENT EMPLOYMENT**

In FY 2000, FAS employed 22 summer interns. Of the 22, two attended HBCUs--Alcorn State University and South Carolina State University.

FAS has a total of 18 SCEP (formerly know as Cooperative Education Program). Of the 18, one attended an HBCU.

### **International Internship Program**

FAS continues its partnership with the National FFA and the United Negro College Fund, International Office of Public Policy (UNCF/IPP), to provide college students with opportunities to work at agricultural offices in U.S. embassies overseas for up to three months and to gain experience in the areas of international agribusiness and public policy. This partnership provides FFA and UNCF assistance in recruiting and referring students to FAS for international internships. In FY 2000, four students were posted at the Agricultural Attaché offices in Austria, Singapore, Poland and Italy. Two were referred through the UNCF/IPP.

### **1890 National Scholars Program**

FAS supported two students participating in the 1890 National Scholars Program. One attended Prairie View A&M and the other attended South Carolina State University. Both students are agribusiness majors.

## **AWARDS AND NARRATIVE INFORMATION**

### **Research and Development**

Award: \$279,054

College or University: Tuskegee University

Description of Program or activity: Sahel Regional Program; Policy Analysis Research, Technical Support Africa, and Environmental Natural Resource Policy.

Award: \$30,000

College or University: Florida A&M University

Description of Program or activity: Control of the noxious *imperata cylindrica*; Improving grape resistance to Pierce's Disease, and Stabilization and utilization of seafood.

Award: \$29,000

College or University: Fort Valley State

Description of Program or activity: Evaluating sustainability and developing production optimization strategies, and Biological control (BC), Gastrointestinal nematodes in Goats.

Award: \$602,484

College or University: University of Maryland, Eastern Shore

Description of Program or activity: Technical Assistance I - Support of African Emergency Locust; Pilot commercialization of agricultural technology; Leland Initiative II; Greater Horn of African humanitarian assistance; Microenterprise Development Service; Education for democracy and development; Developing improved early maturing cultivars, and Southern Africa Financial Market Workshop.

Award: \$66,192

College or University: Lincoln University

Description of Program or activity: Special training program for foreign participants.

Award: \$509,099

College or University: North Carolina A&T State

Description of Program or activity: Technical assistance for the Women in Development (WID) initiative

Award: \$10,000

College or University: Langston University

Description of Program or activity: Anthelmintic plants for internal parasite control.

TOTAL: \$1,525,829

### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Student Temporary Employment and Cooperative Education Program

Award: \$29,953

College or University:

Alcorn State University \$14,283

South Carolina State University \$10,250

Prairie View A&M University \$5,420

Description of Program or activity: Salaries paid to summer interns.

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$ 7,254

College or University: South Carolina State University

Description of Program or activity: Tuition and other fees for 1890 National Scholar.

Award: \$ 7,300

College or University: Prairie View A&M University

Description of Program or activity: Tuition and other fees for 1890 National Scholar.

TOTAL: \$14,554

## **Other**

Award: \$ 16,197

College or University: N/A

Description of Program or activity: Salaries paid to 1890 Liaison Officers. FAS contributed to the Departmental Liaison Officer Program.

## **FARM SERVICE AGENCY**

The Farm Service Agency (FSA) provides support to American farmers through programs that improve the economic stability of agriculture and the environment. These programs include farm operating and emergency loan programs, conservation, disaster and crop insurance programs.

FSA has increased its emphasis on student employment programs to encourage students to pursue career opportunities within the Department of Agriculture and the FSA. During FY 2000, the USDA/1890 National Scholars Program was utilized to employ students nationwide in positions within their disciplines and provide relevant and valuable work experience. FSA strives to utilize this program to increase workforce diversity throughout the Agency. Major accomplishments have been made in the following areas:

### **RESEARCH AND DEVELOPMENT**

FSA is continuing its support to the Center of Excellence at Lincoln University. This center provides state-of-the-art education for students, federal employees, and other individuals in the effective use of Geographic Information Systems and Wildlife Management in agriculture, and natural resource management applications.

FSA continues to support two Centers of Excellence at North Carolina A&T State University. The first initiative's mission is to facilitate and enhance the international trade and marketing competitiveness of higher-value products for North Carolina and regional small-to-medium size and limited resource agricultural related business. The second initiative will identify and work to eliminate barriers to the participation of small business (including small and limited resource farmers).

### **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

USDA National Scholars Program: The Farm Service Agency (FSA) strives to utilize this program to increase diversity of its field offices. This program has been utilized to employ students under the USDA National Scholars Program in program areas in the Agency as they relate to the student's academic studies. FSA awarded scholarships to six students in the USDA/1890 National Scholars Program and currently has fourteen 1890 National Scholars. The Program has enabled FSA to increase its diversity with the conversion of two African American students to career-conditional positions.

FSA participated in conferences and seminars affiliated with HBCUs that provided valuable agriculture-related information, such as:

Minorities in Agriculture, Natural Resources and Related Sciences  
National Office Mentoring Program  
25<sup>th</sup> Annual Youth Motivation Task Force  
Teacher Work-based Exploration Sessions

Student Career Experience Program (SCEP, formerly the cooperative education program): This program has been utilized to employ various students with the intent of converting them into the permanent workforce. This program has been utilized to employ students under the USDA National Scholars Program in program areas in the Agency as they relate to the student's academic studies. FSA currently has approximately 12 students enrolled under this program, with plans to employ an additional 3 or 4 students. Also employed under SCEP are other students, not related to the Scholars program, on a nationwide basis.

Summer Intern Program: FSA actively participates in the summer intern program employing students during summer months. These students are generally employed in areas related to their academic studies to gain experience in FSA programs. This program has been utilized to train students and encourages them to pursue career opportunities in agriculture. Over the last 2 years, FSA employed approximately 50-60 students nationwide.

USDA HACU Summer Intern Program: FSA has participated in this program during the past few years, employing Hispanic students nationwide. The objective of this program is to employ students in various levels of the organization and encourage employment consideration with the Agency. This is an USDA coordinated effort, and FSA has employed between 10-15 students each year.

Workforce Recruitment Program: This program is utilized to employ students with disabilities. FSA has a program manager who actively encourages agency participation and providing work experiences for these students. Last year FSA employed five students under this program. This year, FSA plans to employ approximately 10 students under this program nationwide.

Other Student Programs: Occasionally, USDA agencies are encouraged to participate in various student programs coordinated by the Department. These include the Government Connection (employment of high school seniors who may not be continuing on to college, with the intent of converting into the workforce); the DC Mayor's Summer Youth Initiative (employment of students between the ages of 14-21 during the summer period, and providing work experiences); the Urban League Summer Program (similar to the DC Summer Program).



## **AWARDS AND NARRATIVE INFORMATION**

### **Research and Development**

College or University: Lincoln University, MO

Description of Program or activity: Geographic Information Systems and Wildlife Management Center of Excellence - \$60,000.

This is a partnership effort between APHIS, FS, NRCS and FSA to increase the pool of trained and highly qualified candidates, particularly women and minorities, as natural resource specialists in GIS, wildlife, forestry, and soil science. Lincoln University is developing the only GIS laboratory and curriculum with practical applications of importance in crop and field identification and farm program compliance. The GIS project is designed to utilize common and shared spatial data layers and attribute files through a common computer server and network. Students receive practical hands-on experience with a digital orthophoto map base and remote sensing applications utilizing digital satellite imagery and digital aerial photography.

College or University: North Carolina A&T State University

Description of Program or activity: Center of Excellence - \$65,000

The FSA is collaborating with the Foreign Agricultural Service, the Rural Business Cooperative Service and North Carolina A&T State University in the development of a Center of Excellence in international trade. The mission of the Center is to facilitate and enhance the international trade and marketing competitiveness of higher-value products for North Carolina and regional small-to-medium size and limited resource agricultural related business. Its objectives include enhancing educational opportunities for students of the University and to facilitate technical training programs and assistance for business and industry leaders and foreign concerns; improve the quality of research on international trade issues and empowering agricultural and agribusiness firms to improve their export performance with emphasis on small and disadvantaged firms.

College or University: North Carolina A&T State University

Description of Program or activity: Center of Excellence - \$83,920

The FSA is collaborating with the Food and Nutrition Service, Natural Resources Conservation Service, Food Safety and Inspection Service and North Carolina A&T State University in the development of a Center of Excellence in developing USDA diversity strategy. The mission is to identify and work to eliminate barriers to the participation of small business (including small and limited resource farmers).

### **Program Evaluation**

Description of Program or activity: FSA continuously monitors implementation of program activities to determine effectiveness and benefit to the agency through on-site visits (divided among all schools)

College or University:

Kentucky State University	\$ 151
University of Arkansas at Pine Bluff	\$ 151
Florida A&M University	\$ 151
University of Maryland Eastern Shore	\$ 151
Tennessee State University	\$ 151
Delaware State University	\$ 151
Prairie View A&M University	\$ 151
Virginia State University	\$ 151
Fort Valley State University	\$ 151
Lincoln University	\$ 151
South Carolina State University	\$ 151
Southern University	\$ 151
North Carolina A&T State University	\$ 151

**Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: **\$88,024**

Description of Program or activity:

College or University:

Kentucky State University	\$ 4,755
University of Arkansas at Pine Bluff	\$ 9,598
Florida A&M University	\$ 6,255
University of Maryland Eastern Shore	\$ 4,755
Tennessee State University	\$ 8,113
Delaware State University	\$ 4,855
Prairie View A&M University	\$22,744
Virginia State University	\$ 5,399
Fort Valley State University	\$ 9,298
South Carolina State University	\$ 8,353
Southern University	\$ 3,899

**Student Tuition Assistance, Scholarships, And Other Aid**

Award: **\$79,099**

Description of Program or activity:

College or University:

Kentucky State University	\$ 3,650
University of Arkansas at Pine Bluff	\$10,008
Florida A&M University	\$14,010
University of Maryland Eastern Shore	\$ 9,093
Tennessee State University	\$ 5,397
Delaware State University	\$ 8,799
Prairie View A&M University	\$ 7,850
Virginia State University	\$ 5,050
Fort Valley State University	\$ 3,268
South Carolina State University	\$ 7,024
Southern University	\$ 4,950

## **RISK MANAGEMENT AGENCY**

During fiscal year (FY) 2000, the Risk Management Agency Kansas City Office funded an 1890 Scholar, who is attending Alcorn State University, majoring in Agricultural Economics.

### **FELLOWSHIPS, INTERNSHIPS**

RMA provided \$16,108 for its National Scholar.

### **STUDENT TUITION ASSISTANCE**

Tuition costs for this student were \$4,199.

## **RURAL DEVELOPMENT**

The Rural Development (RD) mission area strives to improve the quality of life for rural Americans and to create opportunities for rural businesses and cooperatives to compete in the global marketplace. RD provides financial and technical assistance to help individuals, local communities and rural businesses, concentrating on those with the greatest need. These opportunities include decent, safe, affordable housing, establishment of rural businesses and community facilities, development of modern and affordable water and waste services, and installation of electric and telecommunications services. The three agencies comprising the RD mission area are the Rural Housing Service (RHS), the Rural Utilities Service (RUS), and the Rural Business-Cooperative Service (RBS).

Rural Development's mission is to enhance the ability of rural communities to develop, to grow, and to improve their quality of life by targeting financial and technical resources in areas of greatest need through activities of greatest potential. This mission is supported by three goals, which are to improve the quality of life in rural America by:

- Encouraging the establishment and growth of rural businesses and cooperatives;
- Providing access to technical assistance, capital, and credit for quality housing and modern, essential community facilities; and
- Promoting and providing access to capital and credit for the development and delivery of modern, affordable utility services.

In a typical year, USDA Rural Development programs create or preserve more than 150,000 rural jobs, enable over 50,000 rural Americans to buy homes and help 450,000 low-income rural households rent safe and sanitary housing. Program assistance is provided in many ways, including direct or guaranteed loans, grants, technical assistance, research and educational materials.

USDA Rural Development, through RBS, continues to work in partnership with the Historically Black Colleges and Universities (HBCUs) by engaging in cooperative agreements with the seventeen 1890 Land Grant institutions, Tuskegee University and selected HBCUs. The mission area, through RBS, has identified the need for low income, under-represented groups in traditionally agricultural and other natural resource dependent communities to receive special assistance in business diversification. This outreach to the rural communities is designed to help improve the economic health of these areas by combining the efforts of the colleges and universities with local businesses, public bodies and private non-profit organizations to create businesses and foster infrastructure development. The coverage area for this outreach includes, but is not limited to, some of the most economically depressed rural areas that are located in Rural Empowerment Zones and/or Rural Enterprise Communities.

The objectives and goals to be achieved through the 1890/HBCU Initiative are as follows:

- Develop income-producing projects for under-developed rural communities;
- Provide technical assistance to new and existing businesses;
- Assist communities in leveraging other resources via State, local, private and/or federal funding;
- Create self-sustaining, long-term economic development in targeted areas of high unemployment through partnerships with the universities and community-based organizations; and
- Assist and guide these communities in becoming self-sustainable.

The mission area also helps to support the Centers of Excellence Program. This program helps to strengthen the coalition between the 1890 community and USDA. These Centers are located on the campuses of Alcorn State University, North Carolina A&T University and South Carolina State University.

The total awards to institutions of higher learning for FY 2000 were \$15,059,796. Awards to HBCUs for FY 2000 were \$2,378,084. These awards to HBCUs represent 6.4% of Rural Development's total awards to institutions of higher learning. The total awards for FY 1999 to HBCUs were \$2,636,628. This decrease in FY 2000 funding is due, in part, to a decrease in funding availability.

The three agencies of the Rural Development mission area employ students on a part-time basis through the Student Educational Employment Program with 1890 Land Grant Institutions and other HBCUs. Together, the agencies support students in employment programs through the National Office and the Field Offices, providing \$58,489 in salaries, expenses, and tuition. This includes the USDA/1890 National Scholars Program.

Also, the mission area continues to support the USDA/1890 Liaison Program at a cost of \$129,750 in FY 2000.

## **FOOD, NUTRITION AND CONSUMER SERVICES**

The Food and Nutrition Service (FNS) administers America's domestic nutrition programs. The mission of FNS is to improve the nutritional levels of Americans by providing children and needy families better access to a healthful diet. FNS fulfills its mission through programs dealing with nutrition promotion and direct nutrition assistance. Food stamps remain the cornerstone of the National commitment to protect the nutrition, health, and well being of low-income families with other programs serving specific categories of the population. Increasing the public understanding of proper nutrition is promoted through the nutrition assistance programs.

The Food and Nutrition Service (FNS) continues to support the Historically Black Colleges and Universities (HBCU) program to the maximum extent possible with its limited resources. During FY 2000, a total of \$87,285 in awards were provided to nine 1890 Institutions.

FNS' principal area of involvement is its support of 1890 National Scholars. In FY 2000 FNS was able to add two new scholars to its program, bringing to seven the number of scholars FNS is sponsoring. Three are freshmen, one is a sophomore, one is a junior, and two are seniors. The students have provided valuable assistance to FNS staff during their periods of employment during school breaks. Resources permitting, the agency will support a total of eight scholars in FY 2001.

FNS also hired two summer interns in FY 2000 that attend HBCU institutions.

FNS remains committed to recruitment efforts focused on identifying qualified women and minorities, and has made this an element of its strategic plan and annual performance plan under the Government Performance and Results Act (GPRA). The 1890 schools are also targeted in the agency's automated vacancy announcement mailing system.

### **AWARDS AND NARRATIVE INFORMATION**

#### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: \$26,886

College or University: Virginia State; University of Arkansas at Pine Bluff; Florida A&M; Delaware State; Tennessee State

Description of Program: Salary and benefits during periods of employment with the agency.

#### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$60,399

College or University: Virginia State, North Carolina A&T; University of Arkansas at Pine Bluff; South Carolina State; Florida A&M; Langston; Delaware State; Tennessee State

Description of Program: Support of seven 1890 National Scholars; expenses include tuition, books, travel, and room and board during periods of employment.

**Other**

Award: \$32,977

College or University: Undistributed

Description of Program: FNS share of USDA 1890 Liaison Officer program

## FOOD SAFETY

Food Safety, the public health mission area of USDA, provides scientific focus, leadership and expertise in addressing the important domestic and international public health and safety issues related to meat, poultry, and egg products regulated by the Food Safety and Inspection Service (FSIS) and the general oversight of the Office of the U.S. manager of the Codex Alimentarius Commission. Food Safety also leads efforts within the Department to respond to food safety emergencies and coordinates policies and program development with other departments, international organizations, other countries, and State and local governments on these food safety issues.

During FY 2000, in support of the Executive Orders to promote educational advancement and equity for minority institutions, the Food Safety and Inspection Service (FSIS) utilized its cooperative agreement authority to enter into agreements with Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), and Tribal Colleges and Universities (TCUs) to develop outreach efforts in animal production food safety to small producers in the underserved and/or under-represented communities. Five of the nine minority-serving institutions receiving funds in FY 2000 were HBCUs.

Consistent with the President's directions, this initiative enhanced the diversification of partnerships between States, Tribes, industry, universities, and the public to improve the safety of the food supply. Programs developed by the minority serving institutions were delivered through various outreach activities and offered technical training and information to small farmers with an emphasis on reaching producers in the minority communities. The schools conducted animal production food safety educational initiatives to improve the ability of food animal producers to maintain sustainable operations as they address their food safety responsibilities. The training focused on improving food safety and quality assurance outreach efforts to small producers in the underserved and/or under-represented communities in their area. Examples of food safety-related production practices include:

- Adoption of residue avoidance and food safety preventive practices defined in commodity Good Production Practices and Quality Assurance Programs (QAPs), including judicious use of pesticides, biologics, and animal drugs.
- Adoption of pathogen reduction and prevention practices which are intended to contribute to food safety and enhance animal health and productivity, e.g., those involving feed, water quality, and animal waste management.
- Animal or premise identification (source of animals or eggs).
- Record keeping of management practices (medicated animal feeds, diseases, antibiotic treatments, etc.).



- Quality Assurance Certification, third party audited programs, and other processes providing assurances of food safety between animal suppliers and purchasers.
- Managed culling practices to foster avoidance of illegal drug residues and promote humane treatment of farm animals.
- Efforts to address zoonotic and human pathogens in herd health hygienic and bio-security preventive strategies.
- Maintenance of good sanitation practices in production, transportation, and marketing of food animals.

FSIS began a major outreach, training, and information initiative during FY 1999 to assist the nation's very small meat and poultry processors in implementing Hazard Analysis and Critical Control Points (HACCP), a preventive approach to reduce food safety risks. In support of the Executive Orders to promote educational advancement and equity for minority institutions, FSIS awarded funds to several colleges and universities to provide technical assistance to very small plant owners. The outreach strategy was designed to ensure that FSIS reached the diverse group of individuals who own very small meat and poultry plants. To ensure the continued success of HACCP in very small plants and to be responsive to the diverse needs of stakeholders in the farm to table food safety initiative, the Agency continued to partner in this outreach program with the HBCUs and others during FY 2000. These activities will result in the development and dissemination of additional educational materials to small and very small plant owners during FY 2001.

FSIS also established reimbursable agreements in FY 2000 with two HBCUs to both support workforce diversity projects and summer school programs for high school teachers on food safety education.

An FSIS management official (GS-15) is serving on an IPA assignment at an HBCU, Edward Waters College. This assignment was established in FY 2000 and will continue through the first quarter of FY 2001. The purpose of this assignment is to provide advice and counsel to the college president on food safety curriculum issues. In addition, the official serves as a lecturer on science and nutrition classes on food safety issues, provides guidance to the Special Assistant for Community Development in the area of food safety, and is involved in developing a recruitment plan to increase student enrollment in science courses related to food safety.

In FY 2000 FSIS partnered with the Animal Plant Health and Inspection Service (APHIS) to establish an IPA assignment at Tuskegee University. A management official, also at the GS-15 level, was assigned to Tuskegee's Center for Integrated Food Plant and Animal Systems during the fourth quarter of FY 2000. (This assignment will continue through the first quarter of FY 2002). The main purpose of this assignment is to carry out FSIS and APHIS risk assessment projects, develop risk assessment training programs for agency personnel, and develop a graduate program that includes risk assessment as a minor. This initiative will help to sustain the Center and strengthen the partnership between Tuskegee and USDA agencies.

The FSIS Professional Recruitment Program includes more than 30 diverse agency personnel who are assigned to HBCUs, Tribal Colleges and Universities, Hispanic Serving Institutions, and other higher education institutions around the country to conduct targeted recruitment activities. Recruiters include alumni of several HBCUs. Recruitment activities during FY 2000 focused on generating applicants for positions in the food safety field at FSIS.

The Agency increased its use of student employment programs during FY 2000 to introduce more students to career opportunities and build an applicant pool for the future. FSIS also participated in the annual conference of the National Association for Equal Opportunity in Higher Education. This organization represents and includes participation by all HBCUs.

### **Program Evaluation:**

#### **Animal Production Food Safety Cooperative Agreements:**

In FY 2000, FSIS utilized its cooperative agreement authority to enter into agreements with Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), and Tribal Colleges and Universities (TCUs) to develop outreach efforts in animal production food safety to small producers in the underserved and/or under-represented communities. The schools were encouraged to form partnerships to work together to accomplish this training.

The schools conducted animal production food safety educational initiatives to improve the ability of food animal producers to maintain sustainable operations as they address their food safety responsibilities. The training focused on improving food safety and quality assurance outreach efforts to small producers in the underserved and/or under-represented communities in their area. Examples of food safety-related production practices include:

- Adoption of residue avoidance and food safety preventative practices defined by commodity Good Production Practices and Quality Assurance Programs (QAPs), including judicious use of pesticides, biologics, and animal drugs.
- Adoption of pathogen reduction and prevention practices which are intended to contribute to food safety and enhance animal health and productivity, e.g., those involving feed, water quality, and animal waste management.
- Animal or premise identification (source of animals or eggs).
- Record keeping of management practices (medicated animal feeds, diseases, antibiotic treatments, etc.).
- Quality Assurance Certification, third party audited programs, and other processes providing assurances of food safety between animal suppliers and purchasers.
- Managed culling practices to foster avoidance of illegal drug residues and promote humane treatment of farm animals.
- Efforts to address zoonotic and human pathogens in herd health hygienic and bio-security preventive strategies.
- Maintenance of good sanitation practices in production, transportation, and marketing of food animals.

The following institutions participated as cooperators in FY 2000 as detailed below.

**Langston University, Crown Point Institute of Technology, New Mexico State University --** This cooperative activity facilitated the development of training material on goat, beef, and sheep production and a web site on animal production food safety. Langston University took the lead and developed a goat component module, New Mexico State University developed a beef component module, and Crown Point Institute of Technology developed a sheep component module. This contract is significant because it provided an opportunity for an 1890, a 1994 and a Hispanic Serving Institution to work together to improve food safety production practices of small beef, sheep and goat producers in New Mexico and Oklahoma. (\$60,000)

**Florida A&M --** This project adopted the use the Quality Assurance Program developed for small beef producers by the Division Animal Industry of the Florida Department of Agriculture and Consumer Services to target small meat goat producers. The project augmented the state's efforts by providing similar training to other small food animal producers in concert with the state's activities. The money from this partnership allowed for meetings, publications, and communications in, and education of, approximately 10 to 15 percent of the small meat goat producers. Of those trained, the majority became trainers for other meat goat producers on quality assurance provisions. Extension personnel were used to provide formal training assistance. Additionally, Florida A&M provided materials, education information, and conducted training for consumers on food safety incorporating a farm to table approach. The partnership involved a number of agencies including USDA/APHIS, the Florida Veterinary Medical Association, the Florida Animal Industry Technical Council, the Florida Department of Agriculture and Consumer Services, the Division of Animal Industry, the Florida Dairy and Meat Goat Association, Florida Goat Producers Marketing Association, the University of Florida and Gadsden County Food Services. (\$20,000)

**Kentucky State University and Tennessee State University --** The Kentucky State University Land Grant program has provided educational outreach programs to the small livestock producer since 1976. With the goal of educational outreach for small, limited resource, women, minorities, nontraditional, and "hard to reach" farmers, Kentucky State University has provided one-on-one and group educational outreach programs. Hundreds of farmers have improved their on-farm management of livestock as result of these one-on-one educational programs. This program improved the value added to meat products for small farms by providing passive training to small farmers. It helped to reduce the residues in meat livestock in the marketplace by providing one-on-one training to Small Farm Program and Small Farmer Outreach project cooperators in Kentucky and Tennessee. It also provided hands-on training for farmers and Extension staff at the "Third Thursday" and "Third Tuesday" workshops. Other goals of this program were to reduce injuries, while improving livestock farm management and to improve record keeping of livestock and improve health management of livestock. (This is a 2-year contract with \$30,000 being awarded in FY 2000 and \$30,000 in FY 2001.)

**Prairie View (Texas) A&M --** This contract was to develop an outreach program for animal production food safety for small livestock producers, especially for 4-H and FFA members in the underserved and underrepresented communities of Waller, Washington and Grimes County Texas. The program involved development of materials and one-on-one site visits and

evaluations workshops to make appropriate changes in project materials and program design. In focusing on youth, the University enhanced their knowledge base and encouraged them to pursue a career for profit in livestock production for the future. Cooperators include the Cooperative Extension Program and the International Goat Research Center at Prairie View A&M University, (\$19,141)

**University of Arkansas at Pine Bluff --** The goal of this project is to help facilitate the national goal of safe food production and specifically help assure consumers that their meat supply is wholesome and free of physical, chemical, or microbial hazards. This project will educate limited resource animal producers of eastern Arkansas on the importance of HACCP principles and how to raise hogs, cattle and other animals, such as sheep and goats, in accordance with safe food practices. This will be accomplished holding a series of workshops and demonstrations. On-farm inspections of animal herds and discussions with limited resource animal producers of eastern Arkansas on their farms will be conducted. (\$20,000)

**Other Agreements:**

North Carolina A&T University -- A reimbursable agreement was established to partner with four other USDA agencies to support a workforce diversity project. (\$20,000)

Florida A&M University -- A reimbursable agreement was established to support a summer school program for high school teachers on food safety education. (\$10,000)

**Fellowships:**

Recruitment-On Campus Visits	\$4,500
Attendance at a National Conference of HBCUs	\$3,000
IPA (Mobility Assignment for a Veterinarian) Edward Waters College	\$109,415
IPA (Partnership with APHIS) - Tuskegee University	\$34,000
USDA/1890 National Scholars Program	
North Carolina A&T University (1 Student, GS-5)	
Salary (Summer Period)	\$4,870
Housing (Summer Period)	\$ 756
Travel (Summer Period)	\$ 336
Alabama A&M University (1 Student, GS-7)	
Salary (Summer Period)	\$4,426
Housing (Summer Period)	\$ 756
Travel (Summer Period)	\$ 600

Tuskegee Institute (1 Student, GS-5)	
Salary (Summer Period)	\$5,362
Housing (Summer Period)	\$ 600
Travel (Summer Period)	\$10,615

**Other Student Hires:**

University of Maryland at Eastern Shore (2 Students, GS-4)	
Salary (Summer Period)	\$6,259
Howard University (1 Student, GS-9)	
Salary (Summer Period)	\$7,132
University of the District of Columbia (2 Students, GS-3&4)	
Salary	\$22,166
Hampton University (1 Student, GS-4)	
Salary (Summer Period)	\$4,978
North Carolina A&T State University (1 Student, GS-4)	
Salary (Summer Period)	\$3,958
Virginia Union University (1 Student, GS-4)	
Salary (Summer Period)	\$6,259

**Student Tuition Assistance:**

North Carolina A&T University	
Tuition & Books	\$11,600
Alabama A&M University	
Tuition & Books	\$5,848

**Other:**

The following are the FSIS costs of supporting USDA Liaison Officers:

HBCUs - 1890 Liaison Officers	\$177,298
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## **NATURAL RESOURCES AND ENVIRONMENT**

The Natural Resources and Environment mission area promotes conservation and sustainable use of natural resources in the nation's private lands through education, technical, and financial assistance. The mission area is also responsible for meeting public demands for recreation, timber and other goods and services through management of approximately 192 million acres of National Forests and Grasslands. The Administration is committed to preserving natural resources for future generations through assistance to farmers, ranchers, and other private landowners and through sound management of public lands.

### **FOREST SERVICE**

During FY 2000 the Forest Service exceeded its goals in providing assistance to Historically Black Colleges and Universities (HBCUs). The FY 2000 program continued to focus on strengthening existing partnerships with the 1890 Land-Grant Institutions and other HBCUs. Partnerships included Alabama A&M, Florida A&M, Lincoln, Southern, and Tuskegee Universities; the USDA/1890 Initiative; Centers of Excellence; the USDA/1890 Agriculture Liaison Officers Program; USDA Summer Interns; USDA/1890 National Scholars Program; 1890 Institution Capacity Building Grants Program; and the Black College and University Comprehensive Program (BCUCP).

The Centers of Excellence (COEs) continued to be successful in recruiting potential Forest Service employees in various natural resources disciplines and sciences, including "Forestry" and "Upland Hardwoods and Silviculture Ecosystems" at Alabama A&M; "Water Quality" at Florida A&M; and "Wildlife and Geographical Information Systems" at Lincoln University. These COEs are designed to: (1) increase the pool of highly qualified minority candidates for professional careers; (2) increase the level of scientific knowledge readily available to the 1890 Land-Grant institutions; (3) provide technical and financial assistance through grant and scholarship programs to recruit and retain talented students and faculty; and (4) provide support for utilizing and developing the professional faculty and staff as a source of expertise deemed important to the Forest Service mission. Approximately 325 students have participated in the COEs since they were established. Over 140 have graduated and more than 100 of them have been converted as Forest Service employees. Funding to the Centers of Excellence in FY 2000 was \$885,000.

Additionally, approximately 420 students have participated in the Forest Resources Program at Tuskegee University. FY 2000 funding for this program was \$25,000. Graduates from this program are employed in the Forest Service, as well as in the private and public sectors. The Forest Service continued to support the Urban Forestry Program at Southern University. FY 2000 funding for this program was \$65,000. This program is the only urban forestry degree-granting program (BS, MS and [pending] Ph.D.) in the nation. Graduates from this program are also employed throughout the federal, private, and public sectors.

The Forest Service also supported 13 proposals for significant work being done through the Historically Black Colleges and Universities Comprehensive Program (BCUCP). This program provides opportunities for the Agency to establish new partnerships and expand existing ones with HBCUs in research and other program activities. The primary objective is to increase the entrance of African Americans into careers in the Natural resources field. This program has served to open lines of communication between the Forest Service and the African American community and other key entities. The program continues to attract talented African American men and women to the Forest service through cooperative research, scientific exchange, special employment programs, community outreach, and academic enrichment programs. Funding for BCUCP projects in FY 2000 was \$240,900.

### **Research and Development**

Award: \$413,392

College or University: Alabama A&M

Description of Program or Activity: Agreement with University for extramural research

### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: \$440,000

College or University: Alabama A&M

Description of Program or Activity: Funds used to manage the recruitment of students for the Alabama A&M initiative

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$25,500

College or University: Alabama A&M

Description of Program or Activity: 1890 National Scholars Program - Student-assisted tuition and travel costs to work sites

### **Direct Institutional Subsidies**

Award: \$50,000

College or University: Alabama A&M

Description of Program or Activity: Institutional resources support

### **Research and Development**

Award: \$24,219

College or University: Tuskegee University

Description of Program or Activity: Agreement with University for extramural research

### **Training**

Award: \$100,000

College or University: Tuskegee University

Description of Program or Activity: Support of a research scientist

### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: \$227,000

College or University: Tuskegee University

Description of Program or Activity: Funds used to manage the recruitment of students for the Tuskegee initiative

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$56,500

College or University: Tuskegee University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$13,000

College or University: Delaware State University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Research and Development**

Award: \$493,906

College or University: Florida A&M University

Description of Program or Activity: Agreement with University for extramural research

### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: \$188,000

College or University: Florida A&M University

Description of Program or Activity: Funds used to manage the recruitment of students for the Florida A&M initiative

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$14,000

College or University: Florida A&M University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Research and Development**

Award: \$163,531

College or University: Clark Atlanta University

Description of Program or Activity: Agreement with University for extramural research



### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$8,000

College or University: Kentucky State University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Research and Development**

Award: \$21,750

College or University: Southern University

Description of Program or Activity: Agreement with University for extramural research

### **Training**

Award: \$120,000

College or University: Southern University

Description of Program or Activity: Provides capacity-building funds to the Urban Forestry Program which includes job training/internships, accreditation, GIS/hydrology lab, urban tree research farm, and supports the annual urban forestry conference

### **Fellowships, Internships, Traineeships, Recruitment, And IPAs**

Award: \$335,000

College or University: Southern University

Description of Program or Activity: Provides funds to manage the recruitment of students for the Southern University initiative. Outreach activities include an arboricultural camp.

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$10,000

College or University: Southern University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Direct Institutional Subsidies**

Award: \$65,000

College or University: Southern University

Description of Program or Activity: Supports program operations, publications and awards for the Urban Forestry Program

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$4,000

College or University: Alcorn State University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Research and Development**

Award: \$22,197

College or University: Jackson State University

Description of Program or Activity: Agreement with University for extramural research

### **Training**

Award: \$225,000

College or University: Lincoln University

Description of Program or Activity: Supports a research scientist

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$127,000

College or University: Lincoln University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$49,000

College or University: North Carolina A&T State

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$7,000

College or University: Langston University

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

### **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$14,000

College or University: Tennessee State

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites

## **Student Tuition Assistance, Scholarships, And Other Aid**

Award: \$34,000

College or University: Prairie View A&M

Description of Program or Activity: 1890 National Scholars Program – Student-assisted tuition and travel costs to work sites.

## **NATURAL RESOURCES CONSERVATION SERVICE**

In FY 2000, the Natural Resources Conservation Service (NRCS) met measurable objectives planned to assist Historically Black Colleges and Universities (HBCUs). NRCS has a long-standing commitment and has forged strong ties to maintain a highly skilled and diverse work force capable of providing quality customer-oriented services. NRCS continues to support Departmental initiatives to attract and retain more minorities into agriculture and related sciences. NRCS has sponsored 45 USDA/1890 Scholars to date and anticipates sponsoring five in 2001. In 2000, six of the 17 USDA/1890 Liaison Officers were NRCS employees. NRCS continued its sponsorship of a cadre of 1890 summer interns of which 30 received subsidy for travel and lodging for their summer internships.

In 2000, NRCS continued to maintain mutually beneficial partnerships with several HBCUs, supporting the need for well-defined scientific knowledge regarding a broad range of subjects. The partnerships included Water Quality at Virginia State University, Geographic Information Systems and Wildlife Management at Lincoln University, Engineering at Florida A&M University, Grazing Land at Langston University, C-Factor Study at Alcorn University, Crop Canopy at North Carolina A&T State University, and Environmental Science at South Carolina State University. NRCS continued collaboration with the University of Arkansas at Pine Bluff in support of the Water Management Center.

The viability of and exposure to agriculture in rural communities continue to be a goal and objective of NRCS. NRCS has a Plant Data Center at Southern University and a Social Sciences Institute at North Carolina A&T State University.

## **Research and Development**

Award: \$87,200

Alcorn State University

C-Factor Study for fruits and vegetables

Award: \$350,000

Florida A&M University

Water Quality Center

Engineering Program

Award: \$442,000  
Langston University  
Grassland Center

Award: \$48,736  
South Carolina State University  
Environmental Science Center

Award: \$43,669  
Southern University  
Plant Data Center

Award: \$506,000  
University of Arkansas at Pine Bluff  
Youth Enterprise Program  
Water Quality Management Project  
Environmental Quality Incentive Program (EQIP)

Award: \$150,000  
Virginia State University  
Water Quality Center

### **Program Evaluation**

Award: \$25,000  
Kentucky State University  
Research Apprenticeship Program

Award: \$25,000  
North Carolina A&T University  
Crop Canopy Study

### **Training**

Award: \$36,136  
Lincoln University  
GIS & Wildlife Center

### **Facilities and Equipment**

Award: \$38,136  
Lincoln University  
GIS & Wildlife Center

**Fellowships, Internships**

Total Award: \$47,250

9 of the 1890s

Summer Internships, Co-op Education

**Student Tuition Assistance**

Total Award: \$146,400

15 of the 1890s

Scholarships, tuition and fees

**Direct Institutional Support**

Award: \$10,000

Alcorn State University

AgHope Program

## **MARKETING AND REGULATORY PROGRAMS**

The mission of the Marketing and Regulatory Programs agencies is to expand the domestic and international marketing of U.S. agricultural products and to protect the health and care of animals and plants. These programs improve market competitiveness and the farm economy for the overall benefit of both consumers and American agriculture.

The Marketing and Regulatory Programs are administered by three agencies: the Animal and Plant Health Inspection Service (APHIS); the Agricultural Marketing Service (AMS); and the Grain Inspection, Packers and Stockyards Administration (GIPSA).

### **ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

#### **Research and Development**

Award: \$160,000

College or University: Tuskegee University

Description of Program or Activity: The **Center of Excellence for Integrated Study of Animal Food and Plant Systems (CISFAPS)** serves as a clearing house for food animal production and food safety information, nationally and internationally, to provide scientific and current information which encompasses quantitative risk assessment and risk management methods and to provide science-based options for food safety policy affecting small businesses. The Center also works cooperatively with USDA to develop integrated research, education and training, and outreach programs to enhance lifelong learning and dissemination of information. APHIS Policy and Program Development continued support of a multi-year cooperative agreement with Tuskegee; CISFAPS to work on risk analysis and risk modeling of selected diseases as well as the preliminary development of a science based risk analysis approach to regionalization. Because of the complexity of the regionalization requirements, this activity is expected to proceed over a lengthy period of time.

#### **Program Evaluation**

Award: \$70,000

College or University: Tuskegee University

Description of Program or Activity: APHIS Veterinary Services initiated a Cooperative Agreement with Tuskegee University to provide technical assistance to the Minister of Agriculture, Government of Haiti and Government of Dominican Republic in the prevention and control of Classical Swine Fever Program to strengthen their animal health laboratories and field services.

## Training

Award: \$102,000

College of University: Lincoln University

Description of Program or Activity: Wildlife Management Initiative (WMI) continued to receive funding for the University for training activities. Training activities have afforded Lincoln University and APHIS Wildlife Services (WS) the opportunity to enhance wildlife curricula and faculty, and to increase student and faculty awareness of the various disciplines related to wildlife management. The training activities have provided useful exchanges of professional knowledge and skills that have enhanced critical partnerships between APHIS WS and the University. Funding to the University was provided to: (1) strengthen wildlife management curriculum and program effectiveness; (2) to enhance wildlife management experiential teaching capacities; and (3) to provide training and employment opportunities to the WMI students with various Federal agencies within USDA.

A culturally diverse group of over 50 students have participated in WMI experiences since they were first offered in the summer of 1994. Students travel to different parts of the U.S. to participate first-hand in a broad range of research activities. These visits include studies on coyote behavior and their management, management of wildlife problems at airports such as Chicago O'Hare, and wildlife contraception and bird wildlife management throughout the country. In return, the students received subsistence level stipend support.

WMI staff continues to work with the University to ensure there is a good understanding of the program among Deans and Departmental faculty.

Award: \$45,000

College or University: University of Arkansas at Pine Bluff

Description of Program or Activity: The Regulatory **Science and Risk Analysis Center of Excellence (Faculty)** continued to receive funding support from APHIS PPQ to assist the university in retaining one full-time faculty member to further enhance the delivery of courses associated with the Regulatory Science Degree Program.

APHIS PPQ continues to pursue its commitment to the University to replace the Center's Visiting Director position that was vacated by retirement. PPQ management did decide to establish a permanent position on the campus and expects to make a selection sometime during the second quarter of 2001.

## Fellowships, Internships, Traineeships, Recruitment, and IPAs

Award: \$679,071

Description of Program or Activity: Student Employment Programs - APHIS continued to be aggressive in its recruitment of students through a network of approximately 450 colleges and universities, professional organizations, agency recruiters, and special interest groups. APHIS program areas nationwide participated and supported a total of 308 student employees during FY 2000 through various employment/appointment authorities (Summer Intern Program (SIP),

Student Career Enhancement Program (SCEP), Student Training & Experience Program (STEP), temporary hires and Stay In School appointments).

Award: \$143,292

College or University: Tuskegee University

Description of Program or Activity: Center of Excellence for Integrated Study of Animal and Plant Food Systems (CISFAPS) -- APHIS Veterinary Services, through the Civil Rights Enforcement and Compliance Staff, carried out its commitment to continue support of the CISFAPS Center by entering into a cooperative agreement to extend its partnership with three agencies to provide a full-time senior level veterinarian (GS-15) for the Center. This partnership includes salary, benefits and administrative/training costs which is shared with the Food Safety Inspection Service (FSIS), Agricultural Research Service (ARS) and the Cooperative State Research Education & Extension Service (CSREES).

The CISFAPS Fellow assigned to Tuskegee University was not effected until late in the fiscal year, but she has made tremendous progress in several areas of support that are mutually beneficial to the University and the cooperating agencies. Currently serving as an adjunct faculty appointment with the College of Veterinary Medicine, Nursing and Allied Health (CVMNAH) and the College of Agriculture, Environment and Natural Science (CAENS), the Fellow is housed in the Food Animal Production Building with the staff of the Center for Computational Epidemiology and Risk Analysis (CCERA); this provides the strongest focus for her daily interactions. Inasmuch as possible, she involves TU faculty in activities, getting them known in circles in Washington, DC and providing them with insight into the policy opportunities/activities open to university faculty.

Award: \$145,000

University or College: Lincoln University

Description of Program or Activity: Wildlife Management Initiative at Lincoln University envisions that the WMI programs will become nationally and internationally known for innovative academic excellence in specialized aspects of wildlife management. Program management remains a critical element for the APHIS Wildlife Services Director. It allows for close monitoring and program oversight and provides an opportunity to impact overall university strategies and to review faculty and student needs, curricula and program improvements. Program management was particularly important during FY 2000 as Lincoln University began developing curriculum enhancement proposals for natural resources and environmental sciences and entered into a MOU with the U.S. Fish and Wildlife Service as a third federal partner with the wildlife curriculum.

A component of the WMI is to strengthen academic programs at Lincoln University so those students graduating will have strong research and academic backgrounds in areas of particular interest to the partnering agencies. During the fiscal year the following courses in wildlife management were added to the curricula: Introduction to Wildlife Damage Management (NR 210), Introduction to Ornithology (NR 326), and Introduction to Mammalogy (Special Topics) (NR 410). Institutionalization of courses requires inclusion as part of the ongoing curriculum. With the addition of these classes to the existing University offerings in agriculture, biology and natural resources, a student can meet all course requirements for entry level federal (and many



state) positions in wildlife biology and management (operational and research). The WMI is now working to encourage the development of wildlife as an option within the natural resources program, or as a separate option within a broader environmental sciences program.

Award: \$10,000

College or University: Tuskegee University

Description of Program or Activity: Center for the Integrated Study of Food Animal and Plant Systems (CISFAPS) received through a cooperative agreement, \$10,000 to support expenses and per diem and education and training costs for the CISFAPS Fellow assigned to the University on a 2-year IPA assignment. The cooperative agreement is in collaboration with CSREES.

### **Student Tuition Assistance, Scholarships, and Other Aid**

Award: \$61,900

College or University: Fort Valley State University

Description of Program or Activity: Veterinary Technician Program at Fort Valley State University continues to receive funding support from the Veterinary Services program. A grant award of \$61,900 to the University provided scholarships, supplies, and equipment to encourage students' development in the veterinary science field.

Award: \$42,318

Description of Program or Activity: Housing/Transportation Assistance for Summer Interns and Scholars – APHIS, Civil Rights Enforcement and Compliance Staff coordinated and expended \$55,917 (\$42,318 for students attending HBCUs; \$13,600 for students attending HSIs) for temporary housing of students working in the Washington Metropolitan area.

Award: \$65,622

Description of Program or Activity: USDA/1890 National Scholars Program is supported by several APHIS program areas (Veterinary Services, Southeast Region; Plant Protection & Quarantine, Methods Development and Central Region; International Services; Information Technology; Policy and Program Development, and Civil Rights Enforcement and Compliance/Office of the Administrator). The Agency increased its standing commitment of selecting two Scholars and selected four new Scholars during FY 2000; bringing our total current support to nine students pursuing undergraduate degrees. The Agency's total support during this fiscal year increased from 47,540 to \$65,622 in tuition, books and fees.

Also during FY 2000, two APHIS-sponsored National Scholars graduated with BS degrees from Tuskegee University and Tennessee State University. The Agency also continued support for two continuing graduate students -- one at University of California-Davis (PhD in Plant Pathology) and at Tuskegee University (DVM).

Alcorn State University	\$ 7,080
Florida A&M University	\$19,490
Lincoln University	\$ 5,500
North Carolina A&T	\$21,240

Southern University	\$ 3,700
Univ. Arkansas at Pine Bluff	\$ 3,612
Virginia State University	\$ 5,000

## **Other**

Award: \$115,000

Description of Program or Activity: USDA Agricultural Liaison Support – APHIS contributed \$115,000 during FY2000 in support of this initiative.

**Toll-Free Telephone Line** - The Office of Recruitment maintains a toll-free 800 telephone line that advertises extensively in MRP recruitment brochures, give-aways, etc. This service receives a constant amount of inquiries from the general public, particularly students, who are seeking information and advice about careers in MRP/USDA. During periods when schools are in session a heavy, constant volume of calls is received in response to the MRP scholarship opportunities that we offer. These scholarships, based on the Student Career Experience Program authorities, are advertised to students, particularly from minority institutions. The toll-free number is a primary source of information for these students in obtaining the required information that assists them in making application to our opportunities.

## **AGRICULTURAL MARKETING SERVICE**

AMS is committed to achieving a diversified workforce. In FY-2000, AMS contributed \$314,233 in discretionary funds to Historically Black Colleges and Universities. AMS supported three 1890 Scholars, hired three Summer Interns, one Stay-In- School, and three HBCU Career Experience Students.

## **Training**

AMS sponsored the Annual Blacks in Agriculture symposium (\$3,000) at Southern University. AMS coordinates the Marketing and Regulatory Programs participation at the Annual Minorities in Agriculture, Natural Resources and Related Science Conference (MANRRS) (\$6,252.) The agency's employees recruit at the MANRRS Job Fair. The Civil Rights Director conducted Ethic Training and Civil Rights Training at the MANRRS conference. AMS provided lab lectures, technical assistance (\$2,500) and Trueness to Variety Testing (\$3,000) at Southern University. In addition, AMS contributes to the Trueness to Variety project with the University of Maryland Eastern Shore (\$3,475.)

## **Fellowships, Traineeships, Internships, Recruitment, and IPAs**

In FY-2000 AMS hired three Summer Interns who attend Historically Black Colleges and Universities (HBCUs): one student attends Tuskegee Institute (\$4,000), one student attends Virginia State (\$4,113), and one student attends the University of Maryland Eastern Shore (\$4,500). One Stay-In-School student attends the University of Maryland Eastern Shore (salary

\$5,000) Three 1890 Scholars from Southern University worked for AMS in FY-2000 and were paid \$15,028 which included salary, housing, and transportation. One 1890 Scholar who attends University of Arkansas at Pine Bluff (\$7,835) worked this summer for AMS.

Three Career Experience Students attend HBCUs. Two students attend the University of Arkansas at Pine Bluff (Tuition \$6,500) salary and transportation (\$20,500.) One career experience student attends Alcorn University (tuition, \$3,000 and salary \$14,200).

AMS had an agreement with Southern University to assist USDA in conducting a Limited Resources Farmers Conference in Memphis, Tennessee (\$10,000). AMS entered an agreement "Beginning Agricultural Youth Opportunities" (BAYOU) with Southern University (\$10,000). This agreement provides an opportunity for high school students to gain "first hand" knowledge of the career opportunities in agricultural, family and consumer sciences.

### **Student Tuition Assistance, Scholarships, and Other Aid**

AMS had three 1890/USDA National Scholars who attended Southern University (\$10,200) and one 1890 Scholar attends University of Arkansas at Pine Bluff (\$3,200). In addition, AMS paid the cost of housing and travel for three 1890 Scholars (\$6,000). Tuition and books paid for 1890 scholars amounted to \$7,800 at Southern University and \$3,712 at the University of Arkansas at Pine Bluff.

### **Liaison Officers:**

AMS supports a liaison officer who works for Minorities in Agriculture and Natural Related Sciences (\$101,000), a national organization that encourages minorities to pursue degrees in agriculture.

### **Contracts:**

Small Farmers Assisted. In FY - 2000 AMS established a Cooperative Agreement with Southern University and A&M College (\$10,000) to assist with an Outreach Marketing Conference. The Agricultural Marketing Outreach Workshop held in Memphis, Tennessee, targeted minority, limited resource, and other small farmers in seven Mid-Southern states and the workshop was also designed to teach small farmers to maximize their economic potential by providing information about developing effective marketing plans to produce and market quality products. The Department has used the conference held on April 13, 2000 in Memphis Tennessee, as their third quarter Outreach Summit Effort.

## **GRAIN INSPECTION PACKERS AND STOCKYARDS** **ADMINISTRATION**

The following are USDA 1890 and other educational initiatives supported by GIPSA in FY 00.

Pre Graduate Training of Young Minorities for Leadership Roles in Agriculture: GIPSA signed a cooperative agreement with Southern Arkansas University, Magnolia, Arkansas, to support this program. The program provides an opportunity for high school students to gain hands-on training utilizing agribusiness entities and personnel that can demonstrate the value of job opportunities particularly in agriculture management entities.

USDA 1890 Scholar Program: The agency continued to support the National Scholars program by supporting one additional student during FY 00. The agency will continue to provide summer work experience for the agency's four scholar students participating under the Student Career Experience Program.

Regulatory Science Exploratory Internship Program: The Agency supported the MRP Collaborative effort with the University of Arkansas at Pine Bluff in providing summer internships for students participating in the Center of Excellence Program for Regulatory Science and Risk Management. The agency continues to support student recruitment efforts and facility development for the Center.

USDA/1890 Excess Property Program: GIPSA continued to provide information on all available excess equipment to all HBCUs, HSIs, TCUs and other institutions of higher education on an ongoing basis.

USDA/Summer Intern Program: The agency continued its support for this Departmental initiative and provided summer employment for students from all HBCUs, HSIs, WINS, and other institutions of higher education. As a result, 30 interns were hired in FY 00 in various GIPSA work locations.

GIPSA Scholarship Program: During 2000, the Agency continued using the scholarship program as a means of addressing targeted under representation. The agency supported the student selected for the scholarship who is now attending George Mason University in Fairfax, Virginia.

UDA/1890 Liaison Program: GIPSA continues to share the cost in supporting USDA Liaisons on the campuses of each of the seventeen 1890 Land Grant Institutions.

USDA Education Coordinating Council: GIPSA continued its participation and support of this Departmental Initiative during FY 00. An agency representative continues to serve on the Council and attends pertinent meetings relating to educational programs in GIPSA and USDA.

National Society of Minorities in Agriculture Natural Resources and Related Sciences (MANRRS): GIPSA, along with the two MRP sister agencies, continued to provide annual support and funding to this initiative. MANRRS and its cooperating partners in industry and

government are focused on increased diversity and developing leadership skills for college students studying in agriculture, natural resources, and related sciences.

Beginning Agricultural Youth Opportunity Unlimited (BAYOU): The agency signed a cooperative agreement with Southern University and A&M College, Baton Rouge, LA, to support this program. BAYOU provides an opportunity for high school students to gain first hand knowledge of the career opportunities available in agriculture, family, and consumer sciences.

## **AWARDS AND NARRATIVE INFORMATION**

### **Fellowships, Traineeships, Internships, Recruitment, and IPAs**

Award: \$4,713

College or University: Prairie View

Description of Program: 1890 Scholar Program

Award: \$5,096

College or University: Southern University – LA

Description of Program: 1890 Scholar Program

Award: \$4,574

College or University: Missouri Lincoln University

Description of Program: 1890 Scholar Program

Award: \$3,992

College or University: University of Arkansas at Pine Bluff

Description of Program: Summer Intern

Award: \$4,715

College or University: Bowie State University

Description of Program: SCEP

Award: \$6,595

College or University: Southern University – LA

Description of Program: Summer Intern

Award: \$5,818

College or University: Southern University – LA

Description of Program: Summer Intern

Award: \$10,000

College or University: University of Arkansas at Pine Bluff

Description of Program: Regulatory Science Exploratory Internship Program

## **Student Tuition, Assistance, Scholarships, and Other Aid**

Award: \$5,160

College or University: Missouri Lincoln University

Description of Program: 1890 Scholar

Award \$4,600

College or University: Prairie View A&M University

Description of Program: 1890 Scholar program

Award \$3,550

College or University: Southern University – LA

Description of Program: 1890 Scholar

Award: \$1,853

College or University: Tennessee State University

Description of Program: 1890 Scholar Program

Award: \$1,922

College or University: Bowie State University

Description of Program: SCEP

## **Direct Institutional Subsidies**

Award: \$7,500

College or University: Southern University and A&M College

Description of Program: BAYOU

## **OTHER**

Award: \$14,162

College or University: Undistributed

Description of Program: Support to Liaison Officers

## **RESEARCH, EDUCATION, AND ECONOMICS**

The Research, Education, and Economics (REE) mission area was assigned Federal leadership responsibility for the discovery, application, and dissemination of information and technologies spanning the biological, physical, and social sciences through agricultural research, education, and extension activities and economic and statistical analysis. REE responsibilities are carried out by four agencies:

The Agricultural Research Service (ARS) is the principal in-house research agency in USDA in the areas of natural and biological sciences.

The Cooperative State Research, Education, and Extension Service (CSREES) is the Federal partner with land-grant and non-land grant colleges and universities in carrying out extramural research, higher education, and extension activities.

The Economic Research Service (ERS) is the principal intramural social science research agency in USDA.

The National Agricultural Statistics Service (NASS) provides the official current statistics on agricultural production and indicators of the economic and environmental welfare of the farm sector. In 1997, NASS assumed responsibility for conducting the Census of Agriculture, previously conducted by the Bureau of the Census of the Department of Commerce.

### **AGRICULTURAL RESEARCH SERVICE**

#### **Executive Summary**

! Provided tuition, books, fees, and software to fourteen students attending Historically Black Colleges and Universities (HBCUs) through the Student Career Enhancement Program (SCEP). The students must maintain a 3.0 GPA and major in the agricultural and life sciences.

! To increase awareness of career opportunities in agriculture, ARS funded proposals from various HBCUs which offer high school and college students the opportunity to work in ARS labs across the country.

! ARS scientists and NAL staff and employees continued to provide support services and consultation to recipients of USDA/1890 Capacity Building Grants. ARS continued as a cooperator on teaching projects and addressed disciplines such as agribusiness management and marketing, regulatory sciences, plant and soil sciences and veterinary science. In addition, ARS also cooperated on research projects such as biotechnology, nutrition, aquaculture, and plant and animal science.

! ARS continued its financial and human resources support to the development and maintenance of seven Centers of Excellence located on 1890 Land Grant campuses.

! ARS expanded the Center of Excellence on the campus of Florida A&M University and created a new Scientific Center of Excellence.

! Entered into a Specific Cooperative Agreement with Food and Nutrition Services and Southern University and A&M College to establish an eighth Center of Excellence for food, nutrition, and health promotion. This center will allow involvement in a collaborative program to train and develop future food and nutrition professionals, conduct cooperative intervention efforts to reduce food insecurities of low-income children and their families, and work jointly on projects of mutual interest.

! An ARS Office of Technology Transfer employee conducted a conference entitled, "Technology Transfer at Historically Black Colleges and Universities."

! ARS increased funding for a Specific Cooperative Agreement proposal entitled "Lower Mississippi Delta Nutrition Intervention Research Initiative" at three 1890 Institutions.

! ARS scientist helped conduct and participated in a workshop for faculty from ten HBCUs on minority student recruitment into the field of ecology as part of the Strategies for Ecology Education, Development and Sustainability Project.

! ARS, Equal Employment Opportunity Manager attended a workshop at Alabama A&M University. The purpose of the meeting was to develop linkages between ARS Mid-South Area and Alabama A&M's College of Agriculture. Areas of collaborative research and graduate assistantships were also explored.

! ARS personnel visited with the Dean, College of Arts & Sciences, Alabama A&M University, for the purpose of developing a linkage between ARS South Atlantic and Mid-South Areas to secure Summer 2000 Interns under the AMP program. The results of the meeting with the Dean were very positive. Several of his students worked in ARS labs during the summer of 2000.

! An ARS EEO Manager visited Kentucky State University and investigated its Aquaculture/Aquatic Sciences Program for the purpose of developing linkages with the Mid-South Area's Catfish Research and Fish Disease Program, and to develop collaborative efforts in research pertaining to entomology and plant science.

! The ARS Oxford location identified a graduate from Alcorn State University to represent the 1890 Institutions concerning integrated farming systems for small farms at the listening session of the 207 National Program in Denver, CO, December 1999.

! An ARS scientist presented a paper at the annual American Society of Agronomy national meeting entitled "The effects of database errors on estimates of pedo-transfer coefficients" which was based on work done at Langston University.

! The ARS Southern Weed Science Research Unit, Stoneville, MS, selected a minority Summer Intern from a Historically Black University and hired a minority Summer Intern under the Louis Stokes Alliances for Minority Participation Program.

! During the summer of 2000, a Mississippi Valley State University student enrolled in the Master's of Science program and, working as an ARS Biological Science Technician in Catfish



Genetics, received credit for the internship. An ARS scientist in the lab supervised the student's work.

! USDA/ARS Catfish Genetics Research Unit supplied catfish fry to Alcorn Extension Specialist at Alcorn State University for use in Alcorn's aquaculture research and extension program.

! During FY 2000 an ARS Fisheries Biologist with the Catfish Genetics Research Unit made several contacts with a scientist at Mississippi Valley State University in regard to the specific cooperative agreements ARS has with that institution investigating improving water quality in catfish ponds.

! ARS hired a female science teacher to work in the laboratory with scientists located at Langston University. Also hired a Research Agronomist to be stationed at Langston University.

! ARS scientists collaborated with a number of HBCUs on research projects and assisted in the drafting of proposals.

## **NATIONAL AGRICULTURAL LIBRARY**

During FY 2000, the National Agricultural Library (NAL) expanded its interactions with Historically Black Colleges and Universities (HBCUs). FY 2000 awards for HBCUs total \$31,000.00, an overall increase of 8.6% in awards that is attributed to expanded outreach and training activities.

FY 2000 activities included improving information delivery systems within HBCU communities through heightening their awareness of NAL resources through increased NAL visibility within HBCU communities. NAL increased its outreach to minority-serving educational institutions beyond the HBCU communities. This positions the Library to play a greater role in closing the digital divide with regard to access to food and agricultural information. Specific assistance was in the following categories: research and development; training; facilities and equipment; and fellowships, internships and traineeships.

! The National Agricultural Library began discussions to establish a partnership with the Medgar Evers College (MEC), City University of New York. The collaboration will expand NAL services to an urban educational institution and enrich the science education programs at all educational levels within the communities MEC serves.

! NAL sponsored a visit for the Emma Johnston School (a MEC affiliate) 5<sup>th</sup> grade class of students, teachers and counselors to participate in the NAL Community Appreciation Day observance and the Henry A. Wallace Beltsville Agricultural Research Center Public Field Day activities.

! National Agricultural Library Director mentored the systems and technology manager at Southern University's John B. Cade Library in support of the Association of Research Libraries Minority Development Program. The Mentee received overviews of NAL's operations and programs and shadowed the Director through budget hearings, a Metadata Conference on the

USDA Digital Publications Preservation Program, and meetings with various USDA agencies' staff. NAL director visited Southern University to brief the Library and College of Agricultural, Family, and Consumer Sciences faculty and staff.

! The National Agricultural Library's 1890 National Scholar attended the Congressional Black Caucus (CBC) Legislative Weekend - CBC Education Braintrust Program on Closing the Digital Divide. The student served as a cyberjournalist at a Technology Exposition and attended congressional briefings by legislators, policy makers, and educational leaders during the two-day CBC Education Braintrust program.

! NAL participated in the 1890 Association of Research Directors' (ARD) Biennial Research Symposium. NAL director made a special presentation on "Research Libraries: An Indispensable Investment for the New Millennium," at the 1890 library deans and directors spring meeting held in conjunction with the symposium. NAL contributed an AgNIC poster session and exhibited information resources on food safety and sustainable agriculture.

! NAL established contact with the Ag in the Classroom (AITC) and Teacher Training Program Coordinator for the University of the District of Columbia (UDC), Community Outreach and Extension Services (COES). This resulted in a NAL presentation on services, programs and products that support K-12 agricultural education to eleven teachers, from five District of Columbia high schools. The presentation highlighted web-based resources and printed documents for K-12 audiences including a publication entitled "Selected Internet Resources for Science Fairs, Animals in Education and Research, Kids Pages and Animal Careers," November 1999.

! The University of Arkansas at Pine Bluff became a co-collaborator for the Agriculture Network Information Center (AgNIC) aquaculture web site through a partnership with Purdue University and the University of Illinois.

! NAL agreed to support four new Capacity Building Grants Program projects proposals from three 1890 institutions: Alcorn State University, North Carolina A&T State University and Prairie View A&M University. The proposals involve technology enhancements for instructional delivery systems and enhancing access to food and agricultural information via the Internet.

! NAL provided document delivery services including technical advice on utilizing electronic delivery systems and resources to support the 1890 land-grants and Tuskegee University research, teaching and extension programs.

! NAL provided subscriptions to its AGRICOLA database of CD-ROM for four 1890 land-grant and Tuskegee University libraries. The AGRICOLA (AGRIculture OnLine Access) database, developed and maintained by the National Agricultural Library, contains more than 3.6 million references. It includes bibliographic citations to technical literature on domestic and international agriculture, including plant and animal sciences, forestry, entomology, soil and water resources, agricultural economics and trade, animal welfare, alternative farming practices,

biotechnology, genetics and food and nutrition of primarily interest to scientists and researchers. It also links to content and can help the public find useful information on agricultural topics such as gardening, food safety and pet care in addition to supporting the needs of scientists.

AGRICOLA is currently available on Internet at the following address:

<http://www.nal.usda.gov/ag98>.

! NAL employed two college student interns who attend HBCUs. The 1890 National Scholar who is enrolled at Prairie View A&M University and one student enrolled at the University of Maryland Eastern Shore.

! NAL provided work experiences for two research apprentice high school students through Virginia State University's Research, Extension & Instruction Apprenticeship Program.

## **Research and Development**

College or university: Prairie View A&M University

Description of Program or activity:

- ARS is cooperator on a cooperative agreement "Possible use of yeast polyglycans in the control of *Eimeria tenella* infections in chickens."
- ARS provided funding for the Federal Financial Assistance Grant, High School Research Apprenticeship Program. \$30,000
- ARS scientist is collaborating with university scientists on a research project investigating the colonization of peanut seed by aflatoxin producing fungi.
- ARS is collaborator on a Capacity Building Grant entitled "Cellular Basis Pregnancy Recognition."

College or university: University of Maryland Eastern Shore

Description of Program or activity:

- ARS is cooperator on a Capacity Building Grant on Characterizing Cowpea Genotypes for Drought Tolerance in the Delmarva Ecosystem (continued from FY 1999).
- ARS is cooperator on a Capacity Building Grant on Controlling Ineffective *Bradyrhizobium* with Phages to Enhance Nitrogen Fixation.
- ARS is cooperator on a Capacity Building Grant in cooperation with USDA CSREES in the soybean and alfalfa laboratory.
- Cooperator on grant, "Incorporation of *Bacillus thuringiensis* endotoxin gene via *Agrobacterium*-mediated DNA transfer for enhanced biological control of insect pest resistance in soybean cultivars.

College or university: Virginia State University

Description of Program or activity:

- ARS is cooperator on Capacity Building Grant on Soil and Manure Assessment to Attenuate Nitrogen and Phosphorus Mobility.
- ARS established a grant on "utilization of forage and browse for meat goat production" \$21,450

- ARS provided funding for the Federal Financial Assistance Grant, Exposing High School Students to Agricultural Sciences for Increased Enrollment. \$70,000

College or university: Delaware State University

Description of Program or activity:

- ARS continued collaborative research project to study air pollution problems in relations to Eastern Shore Maryland and the Delmarva.
- ARS provided funding for the Federal Financial Assistance Grant, Youth Career Enrichment Program. \$120,000

College or university: Morehouse College

Description of Program or activity: Cooperative Agreement to conduct research on elicitors insusceptible strawberry plants that lead to disease caused by Phytoiphthora fragriae, and to develop molecular techniques to identify species of Phytophthora that infect strawberries and raspberries.

College or university: Fort Valley State University

Description of Program or activity:

- Cooperator on exchange of potato germplasm for adaptation to the Southern growing environment.
- Scientists have been actively involved in research planning and training. This collaboration has resulted in development of a project to evaluate multi-species grazing systems for non-chemical weed control and enhanced animal productivity in the southeastern United States. This research not only provides activity with an 1890 institution, but also is directly applicable to small and under-represented farmers in the southeast.
- Scientists continued to participate in a previously reported project on peach tissue culture. The ARS Byron facility continued collaboration on a project associated with teaching techniques in pathology in association with a capacity building grant.
- Two ARS scientists are advisors on Capacity Building Grant research at Ft. Valley State University.
- ARS scientist continued specific cooperative agreement, “DNA Marker Evaluation of Broccoli Populations Segregating for Important Horticultural Traits” with Ft. Valley State University.

College or university: Howard University

Description of Program or activity: Cooperator on experiments with insect midgut cells grown in culture and has assisted the university in the publishing several papers and in applying for funding from other government agencies (continued from FY 1999).

College or university: Southern University and A&M College

Description of Program or activity:

- Cooperator on evaluation of vegetable amaranth for cultural practices, postharvest handling and marketing strategies (continued from FY 1999).
- Specific Cooperative Agreement, “Support nutrition intervention strategies to reduce food insecurity in low-income children and their families.” \$100,000

- Entered into a Specific Cooperative Agreement to establish a Center of Excellence for food, nutrition, and health promotion. This Center will allow involvement in a collaborative program to train and develop future food and nutrition professionals, conduct cooperative intervention efforts to reduce food insecurities of low-income children and their families, and work jointly on projects of mutual interest.
- A Specific Cooperative Agreement was established between Southern University and A&M College entitled “Lower Mississippi Delta Nutrition Intervention Research Initiative.”  
\$325,000

College or university: Tuskegee University

Description of Program or activity:

- Specific Cooperative Agreement, “Enhancement of Agricultural Production in Sub-Saharan Africa.” Cooperative research project is to provide scientific information that can be applied to elevate agriculture production in Sub-Saharan Africa. \$50,000
- ARS provided funding for the Federal Financial Assistance Grant, Support of the International Food and Institute 2000 Forum. \$5,000
- Collaborated on seed specific expression of genes.
- Developed a Memorandum of Understanding (MOU) for research collaboration with the College of Veterinary Medicine. A draft supplemental MOU has been constructed that outlines a collaboration program: 1) Seminar exchange program for South East Poultry Research Laboratory (SEPRL) scientists and Tuskegee faculty, (2) and selected two Tuskegee University students for summer internships, (3) provided expertise in grant writing and research training to faculty, (4) accepted graduate students for collaborative research projects, and (5) assisted in lectures on topics that SEPRL is conducting in its research studies.
- Collaborating with a university scientist on the socioeconomic aspects of sustaining riparian areas.

College or university: Alcorn State University

Description of Program or activity:

- ARS provided resources for the Agriculture--Help Our People Earn (AG-HOPE) Program, a Research Support Agreement. \$5,000
- The Southern Weed Science Research Unit provided consultation on two Capacity Building Grant Proposals.
- Specific Cooperative Agreement -- Research and training of graduate students on “Phosphorus nutrient profiles and specifications on soils heavily fertilized with poultry litter”  
\$14,000
- Initiated discussions with aquaculture extension specialists to develop a Memorandum of Understanding to cover collaborative research of mutual interest on solving problems facing channel catfish farmers and conducting fish processing workshops designed for small-scale catfish producers and processors.
- ARS personnel served as a liaison on a Capacity Building Grant Proposal to Help reduce some of the Environmental and Health-Related Issues Associated with Heavy use of Chemicals and Fertilizers. Utilizing these alternatives may also result in less tillage and soil erosion and improving water quality.

- Cooperative research on sweet potato insects was begun. Monies were provided for procurement of a sweet potato transplanter. \$5,000
- Hired one minority female student, a Master's candidate with a specialty in soil science. \$16,100
- Cooperative research on "Development of an efficient system for production of meat-type pigs in the southern United States." \$144,609
- Increased funding for Specific Cooperative Agreement entitled "Lower Mississippi Delta Nutrition Intervention Research Initiative." \$15,000

College or university: Alabama A&M University

Description of Program or activity:

- Department of Plant and Soil Science and Southern Insect University Management Research Unit \$10,000
- ARS is collaborator on a Capacity Building Grant on A Novel Strategy to Dissect Fiber Specific Genes using Unique Cotton Mutants.
- ARS is collaborator on a Capacity Building Grant on Safe Incorporation of Biotechnology by-products in Sustainable Agriculture Production.
- ARS is collaborator on a Capacity Building Grant on Sustainable Poultry Litter Management: Short Rotation Hardwoods Integrated with Geographic Information Systems (GIS), Global Position Systems (GPS) Technology.
- ARS laboratories are involved in Specific Cooperative Agreements with Alabama A&M University and Mississippi State that supplement the Student Career Experience Program (SCEP), in the areas of Waste Management and Forage Research and Genetics and Precision Agriculture Research. \$10,000
- Monies were provided to sponsor a graduate student to work on conservation tillage and poultry litter application. \$5,000
- Specific Cooperative Agreement entitled, "A Fate and Persistence of the Btu cry(c) Protein from Cotton in Soil." A Student Career Enhancement Program (SCEP) student has been appointed to work on this program for his Master's of Science (MS). This research is on Bt cotton in conventional-tilled and no-tilled cotton. \$10,000
- Specific Cooperative Agreement was finalized in June 2000 providing funds for project entitled, "Modification of Management of Animal Waste for Continued Safe Disposal of Lands." \$25,000
- The Natural Products Utilization Research Unit, established research interactions with Alabama A&M University and Mississippi Valley State University.
- A Specific Cooperative Agreement was established between the Genetics and Precision Agriculture Research Unit, Mississippi State, and Alabama A&M University to further cooperative research in molecular genetics. \$5,000
- A Specific Cooperative Agreement was finalized in June 2000 with the National Soil Dynamics Laboratory to provide funding for project entitled, "Improving Carbon Sequestration and Soil Quality in Cotton Production Systems in the Tennessee Valley." \$5,000
- ARS funded an initiative for Future Agriculture and Food Systems competitive grant applications with consortia of three USDA-ARS units, Alabama A&M University, and Mississippi State University. \$501,000

- A new specific Cooperative Agreement has been developed with Alabama A&M on “Enhancement of Elite Small Grains Germplasm Utilizing Tissue Culture, Cytogenic and Molecular Approaches.” This agreement continues until 2004. Similar work begun under a Cooperative Agreement started in 1994.

College or university: Florida A&M University

Description of Program or activity:

- Collaborated in concluding research on “Biochemical and Microbial Changes during the Storage of Minimally Processed Cantaloupe.”
- Continues collaborative work of five Specific Cooperative Agreements with 1890 Land-Grant Universities or extensions thereof, Florida A&M University, Mississippi State, Texas A&M, Louisiana State, and Hawaii.
- ARS is a collaborator on a Capacity Building Grant titled “Establishment of a grape (*Vitis* L.) germplasm center with emphasis on evaluation and genetic analysis of Pierce's Disease.” For this project, the ARS Davis Repository has agreed to assist with project design, participate in project evaluation, assist in the publication of project results on the germplasm system website, and receive select germplasm from the project for inclusion into the Repository's permanent collection.
- At FAMU's 23<sup>rd</sup> Annual Field Day and Workshop in Entomology, a Research Scientist from the ARS Center for Medical, Agricultural, and Veterinary Entomology (CMAVE) presented a seminar on the current status of insecticide resistance in German cockroaches. The presentation spurred significant interest in the research ARS is conducting and those in attendance made several suggestions for future research areas in toxicology.
- A Research Scientist at CMAVE was appointed to the CSREES committee for review of the Center of Excellence in Biological Control Project at FAMU.
- Awarded Federal funds to expand the ARS Entomology Laboratory and create a new Scientific Center of Excellence on campus.

College or university: Mississippi Valley State University

Description of Program or activity:

- Collaborated between a university scientist and the Catfish Genetics Research Unit \$15,013
- A new Specific Cooperative Agreement entitled, “Development of Field Collection Data Techniques Using Hand-held Computers for Water Quality Research in Catfish Aquaculture,” has begun. The cooperator has been collecting data and developing equipment that will assist catfish farmers in reading nighttime dissolved oxygen levels and transferring the information to database programs currently used on commercial farms.
- The Natural Products Utilization Research Unit, established research interactions with Alabama A&M and Mississippi Valley State University.
- Consulting in the area Crop Genetics and Production Research.

College or university: Lincoln University

Description of Program or activity: ARS collaborated on a project that focused on swine manure odor research with the Fermentation Biochemistry Research Unit.

College or university: North Carolina A&T State University

Description of Program or activity:

- Collaborated in the Department of Human Environment and Family Sciences at North Carolina A&T University. Two graduate students were assisted in their research programs. Another graduate student is writing her Master's thesis and ARS personnel assisted her in organizing and proofing that thesis.
- Collaborating on the evaluation of erosion and water quality models to determine best management practices.
- ARS scientist continued to work with professor and his students on constructed wetlands.
- ARS Center Director co-authored two conference papers with a university professor.
- The Coastal Plains, Soil, Water, and Plant Research Center in Florence, SC has made some additional improvements to the wetlands and the ir instrumentation.

College or university: University of Arkansas at Pine Bluff

Description of Program or activity:

- Collaborative agreement on "Increasing Disease Resistance in Channel Catfish." Funds from the agreement are used to support a minority graduate student. \$15,000
- Continued with a Specific Cooperative Agreement on "Increasing Disease Resistance in Channel Catfish." Funds from the agreement are used to support a minority graduate student. Experimental channel catfish from the Catfish Genetics Research Unit were transferred to research facilities at the University of Arkansas at Pine Bluff for use in experimental studies on increasing catfish disease resistance. \$7,500
- Entered in a Specific Agreement entitled "Improving the Efficiency of Foodfish and Baitfish Aquaculture." \$372,938
- Increased funding for Specific Cooperative Agreement proposal entitled "Lower Mississippi Delta Nutrition Intervention Research Initiative." \$330,000
- ARS is collaborator on a Capacity Building Grant entitled, "Enriching Teaching and Learning Faculty Enhancement and Recognition."

College or university: Langston University

Description of Program or activity:

- ARS is collaborator on a Capacity Building Grant entitled, Enhancing Food and Agricultural Curricula through Geospatial Information Technology.
- ARS is collaborator on a Capacity Building Grant entitled, Sustainable Dairy Goat Milk Production from Forages.
- A Specific Cooperative Agreement was established between ARS and Langston University on "Perennial Forage for Small Farms." \$25,000
- Collaborated on the effects of albizzium and mimosine, two secondary compounds found in the mimosa tree, on seed germination and seedling growth of two weedy legumes. Scientist presented two papers on the allelochemical properties of mimosine and abiizziin on seed germination and seedling growth.
- Scientist attended and actively participated in the annual planning conference of the Grasslands Center of Excellence, which reviewed the Center's strategic plan, assessment achievements and planned further work for the research and extension staff associated with the Center.



- Provided advice to scientists on the design and location of research pastures.
- ARS scientist consulted with a university scientist on developing equipment and methods for determining intake and digestibility of goats.
- ARS is collaborator on a Capacity Building Grant entitled “Diet Selection and Performance by Sheep and Goats Grazing Mixed Pastures.”

College or university: Kentucky State University

Description of Program or activity:

- ARS is collaborator on a Capacity Building Grant concerning the in vitro culture and cryopreservation of PawPaws (Asimina). This grant will involve technical training for students and staff at KSU.
- ARS is collaborator on a Capacity Building Grant research project continued with students who are actively involved in the research. Journal manuscript is in early author draft. Another manuscript also co-authored by an ARS staffer is a journal manuscript based on a previous USDA/1890 Capacity Building Grant Research Project with Kentucky State University. The *Journal of Sustainable Agriculture* accepted that paper in May 2000. One of the student assistants is co-author.

Award: \$1,931,060

College or university: University of Arkansas-Pine Bluff

Description of Program or activity: Center of Excellence – Aquaculture/Fisheries

Award: \$1,104,328

College or university: Delaware State University

Description of Program or activity: Center of Excellence – Aquaculture & Food Safety

Award: \$329,386

College or university: Alcorn State University

Description of Program or activity: Center of Excellence – Farmer-feeder pig co-op

Award: \$491,886

College or university: University of Maryland Eastern Shore

Description of Program or activity: Center of Excellence – Food Safety & Animal Health

Award: \$1,386,876

College or university: Tennessee State University

Description of Program or activity: Center of Excellence – Horticulture

Award: \$905,594

College or university: Langston University

Description of Program or activity: Center of Excellence – Grazing Lands

Award: \$745,883

College or university: Florida A&M University

Description of Program or activity: Center of Excellence – Biological Control

ARS scientists served as collaborators on the Capacity Building Grants listed below:

College or university: Alcorn State University

Description of Program or activity:

- Enhancing Ethnic Diversity and Experiential Learning in Soil and Plant Science
- Enhancing Food and Agricultural Sciences Curricula via the World Wide Web

College or university: Delaware State University

Description of Program or activity: Teaching Applications Development for Agriculture and Natural Resources

College or university: Florida A&M University

Description of Program or activity:

- Enhancing Urban Forestry/Arboriculture and Landscape Design Curricula Through Use of Advanced Technologies
- ARS scientists worked with the university to Develop Seedless Grape Cultivars by genetic engineering
- ARS scientists worked with the university in systematics of Selected West Indian Citrus Weevils in Aid of Biological Control

College or university: Fort Valley State

Description of Program or activity:

- Development of Value-Added Products Using Chevron
  - Application of Genetic Engineering Approach to Enhance Cold Hardiness of Guava
- Reduction of E. coli 0157:H7 on Goat Meat Surfaces Utilizing Electricity

College or university: Lincoln University

Description of Program or activity: Enhancing Molecular and Biotechnology in Current Animal Science and Biology Courses

College or university: Langston University

Description of Program or activity:

- Enhancing Biotechnology Instructional Programs
- Energy for the Productive Caprine
- Prevalence and Factors Influencing Childhood Obesity in African Americans and Native Americans of Oklahoma

College or university: North Carolina A&T State University

Description of Program or activity:

- Using Spatial Statistics to Teach GIS/GPS and Enhance Problem-Solving Skills
- Granular Activated Carbon made from North Carolina Agricultural By-Products
- A Fiber-Optic Biosensor for Rapid Detection of Pathogens in Poultry Products

College or university: Prairie View A&M University

Description of Program or activity: Technology Enhancement for Instructional Delivery in Ag Econ

College or university: Tennessee State

Description of Program or activity: Establishment of an Incubator for Applied Woody Ornamental Research

College or university: Tuskegee University

Description of Program or activity: Development of Microsatellite DNA Markers for Cultivated Peanut (*Arachis hypogaea* L.)

College or university: Virginia State University

Description of Program or activity:

- Development of an Agricultural Biotechnology Training Program
- Agriscience Introduction to High Schools in Virginia: Student Experiential Learning

College or university: University of Maryland Eastern Shore

Description of Program or activity:

- Enhancement of Nutrition Instruction and Experiential Learning Opportunities Ecosystem
- Controlling Ineffective *Bradyrhizobium* with Phages to Enhance Nitrogen Fixation in Soybean

## **NAL Research and Development**

Award: \$5,500

College or University:     University of Arkansas- Pine Bluff (\$800)  
                                      Alcorn State University (\$1,000)  
                                      Prairie View A&M University (\$500)  
                                      North Carolina A&T State University (\$500)  
                                      1890 Institutions and Tuskegee University (\$3,200)

Description of Program or activity: Agriculture Network Information Center (AgNIC). The University of Arkansas at Pine Bluff became a co-collaborator with Purdue University and the University of Illinois for the Agriculture Network Information Center aquaculture web site.

Capacity Building Grants Program. NAL agreed to support four new Capacity Building Grants Program projects of which two were funded in fiscal year 2000.

Alcorn State University (2)

- Enhancing Food and Agricultural Science Curricula via the World Wide Web
- Closing the Technological Gap: A Faculty Preparation and Enhancement Model for Agriculture

Prairie View A&M University

- Technology Enhancement for Instructional Delivery in Ag Econ

North Carolina A&T State University

- Natural Resources Curriculum to Strengthen Academic Program and Career Choices

Document Delivery Services. NAL provided document delivery services to the 1890 land-grants and Tuskegee University personnel to support their research, teaching and extension programs including: (a) photocopies and loans; and (b) Ariel software technical support for electronic receipt of documents from NAL.

### **Program Evaluation**

College or university: Southern University and A&M College

Description of Program or activity: Visited with the dean and faculty members of the College of Agriculture to discuss possible collaborative research endeavors.

College or university: Alcorn State University

Description of Program or activity: Wrote a Capacity Building Grant proposal in conjunction with Alcorn State University to set up a greenhouse for studying environmental effects on aflatoxin.

### **Training**

College or university: Delaware State University

Description of Program or activity: ARS scientists presented a series of seminars on various research activities and discussed career opportunities in agricultural science with students.

College or university: Alabama A&M University

Description of Program or activity: ARS scientist served as Adjunct Associate Professor in the Department of Plant and Soil Sciences. In addition, the scientist is a member of a Ph.D. student's advisory committee.

College or university: Fort Valley State University

Description of Program or activity: Researcher from Fort Valley State came to the Brooksville, Florida facility for training in the use of Near Infrared Reflectance Spectroscopy (NIRS) to evaluate forages. ARS Research Leader provided instruction on scanning techniques, calibration development, and monitoring of calibrations. He demonstrated proper assessment of equipment, use of diagnostics and the use of software for conducting statistical evaluations.

College or university: Alabama A&M University

Description of Program or activity:

- Initiated discussion with the National Agroforestry Center, which consists of several USDA agencies, regarding training for 1890 schools. Result: Agreed to assist and finance a training session for professionals from 1890 Universities to be held at Alabama A&M in June 2000.
- Scientist taught course on agroforestry principles to professionals from several 1890 Schools.
- ARS scientists committed to assist 1890 schools develop education and restoration programs as related to agroforestry.

College or university: Florida A&M University

Description of Program or activity:

- ARS Chemist, Southeast Watershed Research Laboratory, is currently obtaining training in the College of Agriculture.
- ARS scientist provided hands-on training in techniques of animal waste management research.
- ARS Research Scientist gave two invited talks during a symposium on Nutrient Management and Water Quality in the Southeastern United States. Scientist is helping establish a waste management program at the university.

College or university: Langston University

Description of Program or activity:

- ARS scientist taught a class in Range Ecology providing information on models and modeling in the range science area.
- ARS scientist worked with a group of students on a term paper project on the use of vegetative filter strips in erosion control providing technical information and journal references.
- ARS scientist is serving as the Chair of the Undergraduate Thesis Committee of a USDA/1890 Scholar. As Chair, the scientist meets with the student and directs his research and thesis report that is part of the undergraduate requirements for graduation.
- ARS scientist is consulting with a university scientist on developing equipment and methods for determining intake and digestibility in goats.
- ARS scientists attended and actively participated in the Annual Farmers Conference and Outreach Training Workshops of the Grasslands Center of Excellence (GCE). These activities emphasized research-development linkages with the underserved farmer client-group and creation of an effective working partnership between research staff and GCE outreach agents. Scientists are engaged actively with GCE in committees concerned with assessment of client farmers needs for technical support, in planning the development of the new Langston University research farm site at Boley, OK and in definition of methods of weed control in pastures, appropriate to underserved farmers.

College or university: Tuskegee University

Description of Program or activity:

- ARS scientist taught the ecology section of the Environmental Science I class and two sections of the Introduction to Geology class.
- ARS scientist taught the sections of the Environmental Science II class on Water Quality of Surface Waters, the Toxic Substance Control Act and the Safe Drinking Water Act.

- ARS scientist taught sections of the Economic Planning class on Ecology and Sustainable Agriculture.
- ARS scientist helped conduct and participated in a workshop for faculty from ten HBCUs on minority student recruitment into the field of ecology as part of the Strategies for Ecology Education, Development and Sustainability Project.
- ARS scientist is directing the program of a graduate student who is doing research on riparian areas of the Alabama Black Belt. Results of the study will be presented at the Annual Sigma Xi Student Symposia at Tuskegee University.
- ARS scientist was a co-presenter of a poster paper at the Twelfth Biennial Research Symposium of the Association of Research Directors in Washington, DC. The paper reported on research conducted in cooperation with researchers at Tuskegee University evaluating riparian areas of relocated reaches of black belt streams.
- ARS scientist served as an instructor of environmental science at the Family Empowerment Through Education Summer Youth College Program. The three-week program is an outreach enrichment program for minority middle school students from Macon and other Black Belt counties of Alabama. The 43 participating students had an opportunity to learn about watershed ecology and water quality testing methods that included hands on experience.
- ARS scientist, as a member of the Strategies for Ecology Education Development and Sustainability Project, was a co-leader of a two-day field trip to increase awareness of minority students in careers in ecology and environmental science for 25 Tuskegee University students. Field trip activities included collecting fish and benthic marine life to study distribution in lower Mobile Bay, investigation of flora and fauna of a tidal salt marsh and a pitcher plant seep.

## NAL

College or University: Southern University (\$4,500)  
 University of the District of Columbia (\$800)  
 Prairie View A&M University (\$1,300)  
 ARD Symposium 1890 Institutions and Tuskegee University (\$3,400)

## Description of Program or activity:

- Leadership and Career Development Training. The National Agricultural Library Director mentored the systems and technology manager for Southern University's John B. Cade Library. The mentoring activities included a NAL director visit to Southern University to see their operations; and the mentee's four-day visit to NAL to shadow the Director. The mentee received an overview of the management and operations of the NAL. The mentee participates in the Association of Research Libraries (ARL) Leadership and Career Development Program (LCDP).
- Teacher Training Program. Community Outreach and Extension Services (COES), NAL Liaison established contact with the Program Coordinator, University of the District of Columbia (UDC), Community Outreach and Extension Services (COES), Ag in the Classroom (AITC) Teacher Training Program; and provided an overview of services and agricultural education resources with emphasis on web-based resources for K-12 audiences. Eleven teachers from five District of Columbia high schools, participated in the. Distributed

documents to participants including a publication entitled “Selected Internet Resources for Science Fairs, Animals in Education and Research, Kids Pages and Animal Careers,” November 1999.

- Association of Research Directors (ARD) Biennial Research Symposium: NAL Director spoke about “Research Libraries: An Indispensable Investment for the New Millennium, at the 1890 Deans/library directors spring meeting, information resources and services, and the Agriculture Network Information Center (AgNIC).

NAL exhibited food safety and sustainable agriculture information resources and sponsored a poster session on the Agriculture Network Information Center, a distributed network of Internet-based resources, established by the NAL and land-grant universities, provided technical information to conferees.

USDA 1890 National Scholar. The 1890 National Scholar attended the Congressional Black Caucus (CBC) Legislative Weekend- CBC Education Braintrust Program on Closing the Digital Divide. The Scholar, who is a senior majoring in computer science at Prairie View A& M University, served as a cyberjournalist at a Technology Exposition and attended congressional briefings by legislators, policymakers, educators and other national leaders during the two-day CBC Education Braintrust program.

## **Facilities and Equipment**

College or university: Alcorn University

Description of Program or activity: Several units at Stoneville, MS contributed excess property (e.g., computer, printer, lawn mowers, tractor, etc.) for conduct of research

College or university: Fort Valley State

Description of Program or activity: Ft. Valley State uses one of the greenhouses at Byron, Georgia to store germplasm of a rare plant from India.

## **NAL**

Award: \$2,800

College or University:     Alcorn State University (\$700)  
                                     Delaware State University (\$700)  
                                     Kentucky State University (\$700)  
                                     Tuskegee University (\$700)

**Description of Program or activity:** AGRICOLA Database. NAL provided four subscriptions to AGRICOLA database on CD-ROM to three 1890 land-grants and Tuskegee University libraries. AGRICOLA, AGRiculture OnLine Access, is a database of more than 3.6 million references to agricultural information, the largest database of its kind in the world. It is developed and maintained by the National Agricultural Library. AGRICOLA can help the public find useful information on agricultural topics such as gardening, food safety and pet care in addition to supporting the needs of scientists. It is currently available on the Internet at the following address: <http://www.nal.usda.gov/ag98>.

## **Fellowships, Internships, Recruitment, Traineeships, and Arrangements under the Intergovernmental Personnel Act (IPAs)**

College or university: Howard University

Description of Program or activity:

- Mentoring student
- A student was hired to a permanent position.

College or university: Fort Valley State

Description of Program or activity: Student placement for Summer FY 2000.

College or university: Bowie State University

Description of Program or activity: College student was hired for summer employment.

College or university: University of Maryland Eastern Shore

Description of Program or activity: College student was hired for summer employment.

College or university: Tennessee State University

Description of Program or activity:

- A student was hired to a permanent position.
- Students were appointed to student program positions or Research Support Agreement positions during the Summer 2000 Mentoring Program in the Midwest Area locations.

College or university: Alabama A&M University

Description of Program or activity:

- ARS scientist selected a student for a SCEP appointment.
- Scientists initiated efforts to participate in the First Step Science Teacher Program again in 2000.
- Area Director is co-sponsor of the 2000 Youth Motivational Task Force Program.

College or university: Alcorn State University

Description of Program or activity: ARS recruited a full-time technician from the university.

College or university: Mississippi Valley

Tougaloo College

Morgan State University

Description of Program or activity: Several summer interns were hired in the Mid South Area.

College or university: Mississippi Valley State

Description of Program or activity: Natural Products Utilization Research Unit employed three students as summer interns during this quarter.



Award: \$5,000

College or university: Southern University and A&M College

Description of Program or activity:

- ARS Area Director supported “Beginning Agriculture Youth Organization Unlimited” (BAYOU) Program.
- ARS scientists visited with Dean and other faculty members of the College of Agriculture to discuss summer internships.

College or university: Southern University, New Orleans

Description of Program or activity: Scientists at the Southern Regional Research Center, collaborated with a professor who was recruited and hired to work on a project related to cotton-based smart wound dressings.

Award: \$9,000

College or university: Tougaloo College

Description of Program or activity: Summer Intern Program.

College or university: University of Arkansas Pine Bluff

Description of Program or activity:

- ARS Area Director is Gold Level Sponsor of 27<sup>th</sup> Youth Motivational Task Force \$3,000
- ARS Area Director (AD) is co-sponsor for MANRRS Conference \$5,000
- ARS AD funded Honorarium for Black History Speaker \$500
- ARS AD funded a full-page ad in program for 27<sup>th</sup> Youth Motivational Task Force \$500

College or university: Delaware State University

Description of Program or activity: Appointment of an 1890/USDA Scholar to a Student Temporary Employment Program position in the Vegetable Crops Research Unit, Madison, Wisconsin.

College or university: Prairie View A&M University

Description of Program or activity: Hosted a student during the summer/fall sessions.

College or university: Tuskegee University

Description of Program or activity:

- Hosted a Master’s of Science (MS) student during the summer/fall sessions.
- The Research Leader of the Animal Diseases Research Unit, recruited minority veterinary students for summer research program. A second year student joined ARS for the summer to work within the scrapie research program. The student was supported through a National Institutions of Health grant supporting minority students.

College or university: Alabama A&M University

Description of Program or activity: Minority graduate students pursuing MS degrees in Food Science, Microbiology, and Environmental Toxicology were employed at Russell Research Center as Biological and Chemical Technicians.

College or university: Albany State College

Description of Program or activity: Computer science college student was employed to work in the computer laboratory at Tifton, Georgia.

College or university: Bethune-Cookman College  
Florida A&M University

Description of Program or activity: A black female and a Hispanic male graduate students in the Florida A&M University Center for Biological Control were employed at the ARS Bio-Control Laboratory in Tallahassee, Florida. The Brooksville, Ft. Lauderdale and Gainesville, Florida laboratories each hired a minority college student from Florida A&M University and Bethune-Cookman College.

College or university: Fayetteville State University

Description of Program or activity: A minority senior biology college student was employed as a Biological Technician at the Watkinsville, Georgia facility.

College or university: Florida A&M University

Description of Program or activity: The Area EEO/Civil Rights Manager recruited students for summer internships at the annual career fair at Florida A&M University and Southern University, Baton Rouge.

College or university: Fort Valley State College

Description of Program or activity: The Byron facility hired a biology student from Ft. Valley State University to work in the location's breeding program. The Byron facility also provided vacancy announcements for two full-time scientific positions to all 1890 Colleges and Universities in the United States.

College or university: North Carolina A&T State University

Description of Program or activity:

- From October 31 - December 31, 1999, ARS, Research Leader (RL), Tropical Agricultural Research Station, Mayaguez, Puerto Rico, assisted a black student majoring in Agricultural & Bioprocess Engineering at North Carolina A&T State University, in planning a project on sustainable agriculture. The RL offered the student ideas and literature on this subject, which is part of her requirements for graduation.
- A graduate of North Carolina A&T State University with a Master of Science (MS) in Food Science was employed as an intern in the Food Science Research Unit. This student will be enrolling as a doctoral student at North Carolina State University in the Ph.D. program in Food Science.

College or university: South Carolina State University

Description of Program or activity: ARS provided scientific internship experiences for 17 minority college students.

Award: \$50,126

College or university: South Carolina State University  
Benedict College

Description of Program or activity: Under the auspices of the South Carolina Alliance for Minority Participation Program (SCAMP), students were assigned to a research project and were mentored by an ARS scientist.

College or university: Spelman College

Description of Program or activity: Two minority science undergraduates were hired as Laboratory Technicians at the Raleigh location.

College or university: Langston University

Description of Program or activity:

- Visiting scientists presented seminars to Langston University and the Grazinglands Research Laboratory staffs during the interview process for an agronomist position to be filled at the Langston University work site.
- Scientist is serving on the graduate committee for an MS graduate student conducting research at Langston University and taking graduate courses in the Animal Science Department at Oklahoma State University, Stillwater. The student is an intern in the Agricultural Research Internship program for Early Career South African scientists.
- Scientist provided statistical consultation for a post-doctoral scientist concerning repeated measure analyses.

College or university: Prairie View A&M University

Description of Program or activity: Recruited and hired a minority male student for summer employment.

College or university: Tuskegee University

Description of Program or activity: Scientist was research program advisor to graduate student who presented a poster paper on research of the effect of stream relocation in the Alabama Black Belt on pool and glides at the 27<sup>th</sup> Annual Sigma Xi Student Research Symposium at Tuskegee University.

## **NAL**

Award: \$12,200

College or University: Prairie View A&M University (\$5,300)  
University of Maryland Eastern Shore (\$5,300)  
Virginia State University (\$1,600)

Description of Program or activity: Student Employment Programs. NAL employed an 1890 National Scholar enrolled at Prairie View A&M University and one summer intern enrolled at the University of Maryland Eastern Shore.

NAL mentored and provided work experience for two Virginia State University high school student research apprentices.

### **Student Tuition Assistance, Scholarships, and Other Aid (SFA)**

College or university: University of Maryland Eastern Shore  
Description of Program or activity: Working with USDA Liaison Officer.

College or university: Tennessee State University  
Description of Program or activity: Working with the Patent Licensing Association.

Award: \$120,000  
College or university: 1890 Land Grants and Tuskegee University  
Description of Program or activity: Student Tuition and Scholarships.

### **Third-Party Awards**

Award: \$20,000  
College or university: MANRRS  
Description of Program or activity: Support for annual conference

Award: \$15,000  
College or university: SACNAS  
Description of Program or activity: Support for annual conference

### **Other**

College or university: 1890 Land-Grants & Tuskegee University  
Description of Program or activity: Shared costs of 1890 Liaison Officers

## **COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE**

The Cooperative State Research, Education, and Extension Service (CSREES) is committed to enhancing partnerships with Historically Black Colleges and Universities (HBCUs) so that they may assist in the continued improvement and success of the food and agricultural sciences system. CSREES works primarily with the 1890 Land-Grant Institutions due to their role to provide academic and research base programs in the food and agricultural sciences. In FY 2000, over \$90 million were awarded to HBCUs by CSREES.

The Second Morrill Act of 1890 established what are known today as Historically Black 1890 Land-Grant Institutions. These sixteen Historically Black Land-Grant Institutions and Tuskegee University (a private institution which has espoused the Land-Grant philosophy throughout its history) are collectively called the 1890 Institutions. In FY 2000 West Virginia State University was included as one of the 1890 Land Grant Universities.

One exemplary program administered by CSREES is the Fellows Program, which reflects the USDA commitment to advancing its relationship with the 1890 Institutions, as well as the land-

grant institutions in American Samoa, the District of Columbia, Guam, Micronesia, Northern Marianas, Puerto Rico, and the Virgin Islands. The program offers faculty and staff affiliated with these institutions an opportunity to work in CSREES for three summer months to gain experiences which may foster the Fellows' professional growth, thereby strengthening the quality of land-grant programs and fostering work force diversity. One of the five faculty members was from an 1890 Institution in the summer 2000 program.

## **PROGRAMS AND ACTIVITIES**

**Evans-Allen** — The Evans-Allen program is one of the formula programs administered by CSREES. The program was established in the Food and Agriculture Act of 1977. Section 1445 of PL 95-113 authorized annual appropriations to support continuing agricultural research at the 1890 Institutions. The program provides non-earmarked funding for research in food and agricultural sciences. These formula funds provide nearly 100 percent of the agricultural research funding at the 1890 Institutions. Through this program, nationally recognized research programs are administered by scientists at 1890 Institutions. The program provides an opportunity to introduce students under represented in food and agricultural sciences to research and careers in research, and serves as a vehicle to recruit such students into the food and agricultural sciences graduate programs (MS and Ph.D.) administered by these institutions, as well as other institutions committed to the land-grant tradition.

**Hatch Act** — The Hatch Act formula funds support research on all aspects of agriculture, including soil and water conservation and use; plant and animal production, protection, and health; processing, safety, marketing, and utilization of food and agricultural products; forestry, including range management and range products, multiple use of forest and rangelands, and urban forestry; aquaculture; family and consumer sciences; human nutrition; rural and community development; sustainable agriculture; molecular biology, and; biotechnology. Research is conducted on problems of local, State, regional, and/or national concern.

**McIntire-Stennis** — The McIntire-Stennis Cooperative Forestry Program formula funds support research to facilitate wise choices in the utilization of the Nation's forest resources.

**Animal Health** — The Animal Health and Disease Program formula funds improve the health and productivity of animals and the welfare of producers and consumers of animal products.

**Special Research Grants** — CSREES administers a program of Special Research Grants for the purpose of conducting research to facilitate or expand promising breakthroughs in areas of the food and agricultural sciences important to the United States. Special Research Grants are awarded on a competitive, as well as a discretionary, basis.

**National Research Initiative** — This is a major extramural competitive research grants program, supporting high priority, mission-linked research through projects focusing on the development of integrated production, processing, and distribution systems for generation of high value products, with an emphasis on local production and processing.

Sustainable Agriculture Research and Education (SARE) — SARE funds are used to support research and education projects designed to provide farmers and others with reliable, practical information on sustainable farming opportunities and practices.

1890 Institution Teaching and Research Capacity Building Grants Program — This competitive grants program serves as the crux of the Department's high priority initiative to advance the teaching and research capacity of the 1890 Institutions. This program is intended to strengthen teaching and research programs in the food and agricultural sciences by building the institutional capacities of the 1890 Institutions through cooperative initiatives with Federal and non-Federal entities. It seeks to address the need to (1) attract more minority students into the food and agricultural sciences and (2) expand linkages among the 1890 Institutions to more firmly establish them as full partners in the food and agriculture system. In fiscal year 2000, 152 proposals were received, representing a total funding request of approximately \$38 million. These included 101 research proposals and 51 teaching proposals. Available funding for FY 00 was \$9.2 million. 26 teaching and 16 research projects were funded through use of FY 00 funds.

Smith-Level Sections 3b&c — Federal contributions for cooperative extension work are primarily derived from Section 3b&c formula funds appropriated under the Smith-Lever Act of 1914. These funds are used mainly to fund Extension Base Programs. The Base Programs are major educational efforts with the wider community that are central to the mission of the Cooperative Extension System and common to most Extension units.

Section 1447 Facilities — Funding was initiated by Congress in fiscal year 1993. In 2000, funds were awarded to continue to support facilities improvement and acquisition programs at the 1890 Institutions under the current Farm Bill.

## **CATEGORY NARRATIVES**

**Research and Development.** Hatch Act funds were used to support projects at the University of the District of Columbia and the University of the Virgin Islands. The University of the Virgin Islands also received funding for McIntire-Stennis. Special Research Grants include projects for peanut allergy reduction at Alabama A&M; tropical and sub-tropical research at the University of the Virgin Islands; and research on dairy goat production at Prairie View A&M.

In fiscal year 2000 \$1.26 million were appropriated under Evans-Allen. Through this program researchers at the 1890s are developing new lines of soybeans specifically bred for improving human nutrition. Tests of Asian soybean genotypes with important soy food characteristics are underway at Alabama A&M University, Alcorn State University, Fort Valley State University, Tennessee State University, the University of Maryland-Eastern Shore, and Virginia State University. Beans are grown and evaluated for production performance and then are made into tofu for taste testing. This research could benefit people worldwide by identifying soybean varieties that are more nutritious and better suited for food production.

Federal Administration funds totaling \$583,000 were appropriated to Mississippi Valley State University for curriculum development and strengthening the food and agricultural sciences.

Sixteen proposals were awarded under the research authority of the Capacity Building Grants Program. Awards include: the Development of Seedless Grape Cultivars by Genetic Engineering at Florida A&M University; Reduction of E. coli 0157:H7 on Goat Meat Surfaces Utilizing Electricity at Fort Valley State University; Characterizing Cowpea Genotypes for Drought Tolerance in the Delmarva Ecosystem at the University of Maryland-Eastern Shore; Granular Activated Carbon made from North Carolina Agricultural By-Products at North Carolina A&T State University; and the Prevalence and Factors Influencing Childhood Obesity in African Americans and Native Americans of Oklahoma at Langston University.

**Program Evaluation.** During FY 2000 a cooperative agreement was signed to undertake an evaluation of the 1890 Capacity Building Grants Program.

**Training.** CSREES provided assistance to Tuskegee University for the Professional Ag Workers Conference held annually at the school. The agency also provided training at technical assistance workshops for grant writing.

CSREES provided funds the University of Arkansas-Pine Bluff and Florida A&M University for staff to travel to South Africa to coordinate and train local colleagues in the development of rural business assistance and irrigation technology to small-scale disadvantaged farmers.

**Facilities and Equipment.** \$11.5 million were awarded to the 1890s for facilities improvement. One significant activity was the dedication of the research and extension complex at Alcorn State University in October 1999. The complex has 36,420 square feet which provides space for offices, conference center, biotech lab, telecommunications center, media center and an auditorium.

**Fellowships, Internships, Traineeships, Recruitment, and IPAs.** Twenty-six teaching projects were awarded funds under the 1890 Capacity Building Grants Program. Several exemplary projects include: Enhancing Urban Forestry/Arboriculture and Landscape Design Curricula Through Use of Advanced Technologies at Florida A&M University; Managed Mobile Nutrition Intervention Unit at Southern University; Enhancing Teaching through Computer Literacy Program for Information Providers and Small Farmers through Lincoln University, Missouri; Internet-Based Education, Training, and Certification in School Food Services and Nutrition at Tennessee State University; and, Agriscience Introduction to High Schools in Virginia: Student Experiential Learning at Virginia State University.

CSREES utilized the services of a professor from Langston University under Intergovernmental Personnel Act. This individual works on small farm issues.

**Direct Institutional Support.** Base extension funds are provided to the 1890 land grant institutions through Smith-Lever and Federal Administration formula funds. As a land-grant institution, the University of the District of Columbia also receives base funds. In addition to base funds for the University of the Virgin Islands, funds were provided for projects in Pest Management, Farm Safety and EFNEP (Expanded Food and Nutrition Education Program).

**Other.** CSREES provided its portion to fund the 1890 Liaison positions. The agency also provided funds to assist 1890s to Internationalize Agricultural Programs through the International Programs office.

As the USDA liaison to the White House Initiative for Historically Black Colleges and Universities, staff played a major role in the inception of the Millennium Awards program for researchers and teachers in science and technology. Through the efforts of 8 federal agencies, A national awards program was created to recognize outstanding teachers and researchers in the fields of mathematics, science, engineering and technology at Historically Black Colleges and Universities. Six individuals from HBCUs were recognized for their excellence during National HBCU Week in September 2000.

## **ECONOMIC RESEARCH SERVICE**

A major goal of the Economic Research Service is to increase the diversity of the academic disciplines of agricultural economics and economics. As a research institution, ERS hires mostly economists with proven research experience, often demonstrated by completion of a Ph.D. Yet the pool of agricultural economists and economists at that level of expertise has very low minority representation. To change that situation, the agency had adopted a multi-faceted strategy, whose real pay-off in terms of a more diverse ERS workforce will be long term. However, encouraging results are beginning to be clearly visible. ERS contacts and cooperation with the Historically Black Colleges and Universities have contributed significantly toward achieving those results.

Central to ERS's long-term strategy is its summer intern program. In FY 2000, ERS had two new interns from Ft. Valley and Florida A&M; two returning interns from Ft. Valley and South Carolina State University; and two returning interns, graduates of Prairie View A&M and Southern, who are now in graduate school at the University of Illinois. The two graduate students play a continuing role in ERS, returning to work during all their breaks from school. ERS interns have the opportunity for serious professional growth. Those who work as economists have the opportunity to participate directly in research efforts, often producing their own output, presenting it in seminars, and using it as a basis for a graduate thesis or dissertation. Computer science interns are given as much responsibility and opportunity as they can manage—and often their skills play a key role in maintaining and enhancing the agency website.

In another effort to increase the agency's success at recruiting African American students, ERS sent an agency economist, a graduate of Southern University, to recruit at the Minorities in Agriculture, Natural Resources and Related Sciences Annual Meeting and at the Morehouse/Spelman Job Fair. He did an excellent job of presenting the opportunities and possibilities in agricultural economics and in ERS. In another effort to deal with some of the long-range problems related to encouraging African Americans to follow careers in agricultural economics, ERS funded an agreement with the American Agricultural Economics Association's Committee on the Status of Blacks in Agricultural Economics (COSBAE) in support of their efforts to reduce the barriers to professional entry into the agricultural economics discipline faced by black economists.



ERS is an active participant in the USDA 1890 National Scholars Program, supporting students at South Carolina State University and Ft. Valley State. The support is not only financial, but involves strong mentoring by ERS staff. Summer internships for the students provide hands-on opportunities for participation in the agency's research efforts. In addition, the agency is supporting its third student in Southern University's BAYOU program, which encourages students to enter agricultural fields. One of the former ERS-supported students, now in graduate school, continues to work intermittently in the agency.

In FY 2000, ERS worked with several Historically Black Colleges and Universities on projects that are helping to establish closer linkages between the institutions and to produce some valuable research results. Such joint efforts provide learning opportunities for researchers in ERS and at the participating institutions, opportunities for student involvement, and information of value to the HBCUs and to the populations they serve. Of particular interest in FY 2000 is ERS's continuing work on a project initiated several years ago: "Towards an Analytical Framework for Assessing the Benefits of USDA Investment in the 1890 Institutions." The original goals were to identify different categories of outcomes and benefits flowing from USDA investments; develop measurable indicators of outcomes or benefits; and develop the data necessary to examine ways to further increase the effectiveness of USDA investments. Results from a workshop involving a broad range of 1890 and ERS researchers and USDA administrators are in the final stages of publication. The original work was done with faculty from Virginia State University, Delaware State University, and North Carolina A&T. As a follow-up to the workshop, ERS is collaborating with Virginia State, the University of Arkansas at Pine Bluff, and Langston University to identify approaches to evaluating Federal programs undertaken to assist minority and limited-resource farmers, using a case study of the 2501 program. A joint National Research Initiative grant proposal has been submitted.

In addition, ERS has worked closely with Tennessee State University on a variety of fronts to increase student awareness of job opportunities in agricultural economics and to share information and research. ERS has maintained a research lecture series for students and faculty at Tennessee State, sending ERS economists to provide three lectures and interact with the students over the course of the year. An ERS manager traveled to Tennessee State to collaborate on a grant proposal on "Developing a Model of University-Government-Industry Partnership for Enhancing Agribusiness Education." If the grant is funded, ERS will provide consultation on curriculum development, support an agribusiness internship program, and provide periodic lectures, workshops, and short courses at Tennessee State. Another ERS researcher worked with Tennessee State faculty on a proposal on "Information Technology Adoption, Production, Marketing and Competitiveness of Small Farms." The project will also involve North Carolina A&T State University and Alabama A&M University.

ERS funds are limited, so an increasingly important strategy is to leverage ERS and 1890 expertise by applying for grants to support joint research. The prospects for such efforts are encouraging, as are the prospects for continuing cooperation and collaboration.

## **Research and Development**

Award: \$5,000

College or University: Tennessee State University

Description of Program or activity: ERS has multiple ongoing activities involving Tennessee State researchers and ERS researchers, including several Capacity Building Grants, a research seminar series, development of a project proposal on successful farms. Most of these activities have required significant ERS staff time and travel.

Award: \$1000

College or University: Tuskegee University

Description of Program or activity: An ERS economist traveled to Tuskegee to conduct a session and otherwise participate in the Professional Agricultural Workers Conference. His session was on "Small Farm and Limited Resource Issues."

## **Program Evaluation**

Award: \$18,600

College or University: Virginia State University

Description of Program or activity: ERS has an ongoing project, "Towards an Analytical Framework for Assessing the Benefits of USDA Investment in the 1890 Institutions," involving a senior ERS researcher and faculty from Virginia State University, as well as other 1890 institutions. In FY 1999 ERS organized a workshop on the topic; the proceedings are about to be published. Additional research was planned and a National Research Initiative proposal was prepared in FY 2000.

## **Fellowships, Internships, Traineeships, Recruitment, and IPAs**

Award: \$10,800

College or University: Ft. Valley

Description of Program or activity: Summer internships for an 1890 Scholar and another student

Award: \$5,400

College or University: Florida A&M

Description of Program or activity: Summer Internship

Award: \$3,500

College or University: South Carolina State University

Description of Program or activity: Summer internship for an 1890 Scholar

Award: \$1,000

College or University: Tennessee State University

Description of Program or activity: A visit by an ERS division director to discuss recruiting possibilities, career paths, and research with Tennessee State students and faculty

Award: \$11,000

College or University: Undistributed (COSBAE—Committee on the Status of Blacks in

Agricultural Economics, a committee of the American Agricultural Economics Association)

Description of Program or activity: ERS developed a cooperative agreement with COSBAE to provide support for their work in reducing the barriers to professional entry into the agricultural economics discipline faced by black economists.

Award: \$1,200

College or University: Undistributed

Description of Program or activity: ERS sent a black economist to recruit for the agency at the Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) meeting and the Morehouse/Spleen recruitment fair.

### **Student Tuition Assistance, Scholarships, and Other Aid**

Award: \$7,100

College or University: Southern University

Description of Program or activity: Scholarship support for an agricultural economics major

Award: \$5,600

College or University: Ft. Valley State

Description of Program or activity: Support for an 1890 Scholar

Award: \$5,000

College or University: South Carolina State

Description of Program or activity: Support for an 1890 Scholar

## **NATIONAL AGRICULTURAL STATISTICS SERVICE**

In fiscal year 2000, the National Agricultural Statistics Service (NASS) supported and funded a variety of activities involving several Historically Black Colleges and Universities (HBCUs). NASS allocated and spent a grand total of \$52,612 to support four USDA/1890 National Scholars Program participants enrolled at Tennessee State University, Lincoln University in Missouri, Virginia State University, and Southern University at Baton Rouge, Louisiana. During this same fiscal year, NASS also recruited and hired 9 black student assistants from Historically Black Colleges and Universities, and the Agency paid them a total of \$62,589. An additional 2 students were recruited and hired at non-HBCUs as student assistants under the 2000 USDA Summer Employment Program.

NASS participated and conducted recruitment activities at the 2000 National Association for Equal Opportunity in Higher Education (NAFEO) Conference held in Washington, D.C., and paid a total of \$3,130 as the rental fee for the recruitment booth space and other related expenditures. NASS also granted \$2,000 to Southern University at Baton Rouge, Louisiana, to support the Beginning Agricultural Youth Opportunity Unit (BAYOU) Program, which hopefully will result in an increase in the number of students, qualified to become agricultural

statisticians. In addition, NASS also contributed to the Department to cover the Agency's prorated cost to support USDA's 1890 Historically Black Colleges and Universities Leadership Group and its respective activities, including the 1890 Liaison Officers Program.

Finally, under the USDA Capacity Building Grants Program, NASS continued to be actively involved as a cooperating agency with the following seven 1890 Historically Black Colleges and Universities: Alabama A&M University, Alcorn State University, Florida A&M University, Langston University, North Carolina State A&T University, South Carolina State University, and Tennessee State University.

## **AWARDS AND NARRATIVE INFORMATION**

### **Fellowships, Internships, Traineeships, Recruitment, and IPAs**

Award: \$ 62,589

College or University – Alcorn State U. (\$9,600); Lincoln U. in MO (\$11,280); Prairie View A&M U. (12,560); Southern U. at Baton Rouge, LA (\$1,069); Tennessee State U. (\$15,400); Virginia State U. (\$6,280); and U. of Maryland-Eastern Shore (\$6,400)

Description of Program or activity: The above monetary figures represent salaries paid to HBCU student assistants and to the 4 USDA/1890 National Scholars by NASS for summer, part-time, or intermittent employment in fiscal year 2000.

Award: \$ 2,000

College or University – Southern University at Baton Rouge, Louisiana

Description of Program or activity: To help Southern University cover some of the costs resulting from the implementation of the BAYOU Program.

### **Student Tuition Assistance, Scholarships, and Other Aid**

Award: \$ 23,783

College or University – Lincoln U. in Missouri (\$7,785); Southern University at Baton Rouge, Louisiana (\$1,900); Tennessee State University (\$4,373); Virginia State University (\$9,725)

Description of Program or activity: The monetary figures cited represent NASS' financial assistance provided to 4 USDA/1890 National Scholars to cover tuition, registration or laboratory fees, books, etc., in fiscal year 2000.

### **Other**

In fiscal year 2000, NASS contributed the Agency's prorated cost to support USDA's 1890 Leadership Group and its activities. In the same fiscal year, NASS also participated and conducted recruitment activities at the 2000 National Association for Equal Opportunity in Higher Education (NAFEO) Conference held in Washington, D.C.

## **DEPARTMENTAL ACTIVITIES**

USDA's staff offices provide a variety of essential support to Department employees to ensure their success in providing effective customer service and efficient program delivery. An overarching principle of USDA operations is effective management of human, capital, informational, and other infrastructure resources.

### **GOALS AND MEASURES FY 2001:**

**GOAL:** Continued partnership with HBCUs through participation in the 1890 National Scholars Program, summer employment program, and other academic/career oriented programs and initiatives.

**MEASURE:** Maintain consistent award and participation levels.

**GOAL:** Increase the transfer of excess personal property to 1890 Land Grant Institutions and other HBCUs via the current governing laws.

**MEASURE:** Increased award level.

**GOAL:** Continued support via the 2501 Program.

**MEASURE:** Enhance the ability of small and limited resource farmers and ranchers to operate a farming or ranching enterprise independently and produce income adequate to service debts, maintain farm operations, and provide a reasonable standard of living.

### **Outcomes and Effectiveness (FY 2000)**

Departmental Administration has been an ongoing partner in supporting HBCUs via the 1890 National Scholars Program (Office of Operations and Office of Civil Rights); donations in excess personal property (Office of Procurement, Property, and Emergency Preparedness), 2501 Program (Office of Outreach), and summer employment throughout its staff offices.

Departmental Administration provided 59 percent of its FY 2000 total award for all institutions of higher education to HBCUs.

### **Program Evaluation**

Award: \$5,782,640

Description of program or activity: Outreach for Socially Disadvantaged Farmers is a program designed to enhance the ability of minority, small farmers, and ranchers to operate a farming or ranching enterprise independently and produce income adequate to service debt, maintain farm operations, and provide a reasonable life style. Section 2501 of the Food, Agriculture, Conservation, and Trade Act of 1990 (FACT) authorized grants and contracts with 1890 and 1862 Land Grant Institutions, American Indian Community Colleges, Hispanic Serving Institutions and community based organizations to provide training and technical assistance with

the objective of reversing the decline of socially disadvantaged farmers and ranchers across the nation.

### ***Office of Outreach 2501 Program Highlights:***

**TUSKEGEE:** Over 50 outreach meetings have been held with a total of more than 5,000 participants. Over 10,000 training sessions (including one-on-one settings) have been held with project participants. Over \$4.2 million in loans have been approved for project participants including farm ownership, farm operating, youth loans and housing loans. As a result of the assistance provided to farmers in the target area, African-American farmers have increased by 46.4 percent in Bullock County, Alabama and 25.9 percent in Hale County.

**FLORIDA A&M UNIVERSITY:** Provided technical assistance to 20 producers to establish the New North Florida Cooperative that provides marketing opportunities to its members. Initiated a vegetable garden for senior citizens at the Orchard Meadows Home and taught residents how to improve their diet and save money at the same time. Provided training to local producers to establish a demonstration lot of Scotch Bonnet Peppers, which generated significant additional income and new marketing opportunities.

**ALCORN STATE UNIVERSITY:** Decreased the loan delinquency rate among project participants from 98%, when they entered the project, to 18% over a ten year period. The state average for people who are not in the project is 34%. The University is bottling hot sauce and marketing it through the vendors who operate the cafeterias in USDA. A premier program with Natural Resources Conservation Service was established which involves data collection on fruits and vegetables. An Internet program was developed that provides worldwide equipment sales information. Assistance was provided to increase the Mound Bayou Catfish Cooperative from 300 to 900 acres. Borrower training was provided to cooperative members which prevented them from losing \$250,000.

### **Facilities and Equipment**

Award: \$789,000

College or University: Alabama A&M University, Langston University, Prairie View A&M, South Carolina State, and Tuskegee University

Description of program or activity: Figure reflects excess personal property to 1890 Land Grant Institutions and Tuskegee University.

Departmental Administration's Office of Property, Procurement, and Emergency Preparedness, and the Office of Operations goals are to increase its transfer of excess personal property to these institutions via implementation of the Stevenson-Wydler Technology Innovation and Section 923 of the 1996 FAIR Act. Title to property transferred under these laws passes to the institutions.

## **Fellowships, Internships, Traineeships, Recruitment, and IPAs**

Award: \$42,360

College or University: Delaware State University (2), University of Maryland Eastern Shore (2), Virginia State University (1)

Description of program or activity: Figure reflects salaries and expenses for student summer employment of 1890 National Scholars.

## **Student Tuition Assistance, Scholarships, and Other Aid**

Award: \$64,000

College or University: Delaware State University (2), University of Maryland Eastern Shore (2), Virginia State University (1)

Description of program or activity: Figure represents tuition, computers, and books for 1890 National Scholars at the above institutions. Departmental Administration sponsors the scholars studying at Delaware State via the Office of Civil Rights, and at University of Maryland Eastern Shore and Virginia State University via the Office of Operations.

## **OFFICE OF THE CHIEF FINANCIAL OFFICER**

The Office of the Chief Financial Officer (OCFO) continues to support the Historically Black Colleges and Universities (HBCUs). OCFO Headquarters and the National Finance Center (OCFO/NFC) contribute to the support of the 1890 Liaison Officers.

During FY 2000, OCFO, through the NFC that operates in New Orleans, worked with HBCUs in the New Orleans area, Southern University in Baton Rouge, Louisiana, and Alcorn State University in Alcorn, Mississippi. NRC participated in the annual Career Fair at Xavier University, Southern University/Baton Rouge, Southern University/New Orleans, and the Career Exploration Day Fair 00 at Dillard University.

During FY 2000 the NFC participated in both the Xavier University and Southern University at Baton Rouge, La Youth Motivation Task Force Program (YMTF). The primary goals of YMTF are to introduce students to the private, public, and Federal job market; offer students insight into skills and attitudes they will need to succeed in their careers; and provide successful role models. The NFC was one of four Federal organizations participating in the 2000 program.

NFC continued operating under a Memorandum of Understanding (MOU) with Southern University/Baton Rouge to offer employment and training opportunities to students and faculty. In addition, the NFC continued to operate under a MOU with Dillard and Xavier Universities. During FY 2000 the NFC offered summer employment opportunities to students from Alcorn State University in Alcorn, MS.

NFC continued to assist in the Federal Executive Board (FEB) HBCU Human Resources Development Action Plan for School Year 2000. This is an initiative under the FEB's Master

Memorandum of Agreement entered into between Federal installations and the four HBCUs in the New Orleans area.

During FY 2000, the NFC provided awards to HBCUs in the form of fellowships, internships, traineeships, recruitment and Intergovernmental Personnel Act (IPAs). Listed are each program or activity, HBCU and Award below.

#### ACTIVITIES TO BE CONTINUED FROM THE PREVIOUS FISCAL YEAR

<u>HBCU</u>	<u>Activity/Program</u>	<u>Award</u>
Southern University Baton Rouge, LA	Career Fair YMTF, Summer Intern	\$ 63, 112
Xavier University New Orleans, LA	Career Fair, YMTF Summer Intern, STEP	\$ 36,332
Southern University New Orleans, LA	Career Fair, STEP	\$ 97,449
Dillard University New Orleans, LA	Career Exploration Fair Day, STEP, Summer Intern, SCEP	\$164,042
Alcorn State University Alcorn, MS	Summer Intern	\$ 31,376

#### NARRATIVE ON EACH PROGRAM OR ACTIVITY

In cooperation with the FEB's Master Memorandum of Agreement, entered into between OCFO/NFC, Federal installations, and four HBCUs in the New Orleans area, offers of employment and training opportunities were provided to students.

Eight students from Southern University in New Orleans worked under the Center's Student Temporary Employment Program (STEP). One student worked under the NFC's Summer Intern Program.

Four students from Southern University in Baton Rouge worked under the NFC's Summer Intern Program.

Two students from Alcorn State University worked under the NFC's Summer Intern Program.

Two students from Dillard University in New Orleans worked under the Center's Summer Intern Program. Eleven students worked under the NFC's STEP Program. One student worked under the NFC's Student Career Experience Program.



One student from Xavier University in New Orleans worked under the NFC's Summer Intern Program. Two students worked under the Center's STEP Program.

Representatives from the Equal Employment Opportunity Staff and the Human Resources Management Office participated at the Xavier University's Career Day Fair, the Annual Career Day at Southern University/Baton Rouge, the Dillard University's Career Exploration Day Fair, and the Southern University in New Orleans Career Day Fair during September 2000.

The NFC is constantly trying to surface applicants of the EEO Groups for available positions. This is being accomplished through continued interaction with outreach programs that have a high representation of EEO groups that indicate a low representation in the workforce. Strategies the NFC has undertaken to address the underrepresentation of identified minorities and women are as follow:

- EEO Staff and Human Resources Staff provide Divisions with assistance in diversifying applicant offers and hires.
- Identify colleges and universities that have a significant representation of women and minorities for populous job groups.
- Continue to employ the Center's Student Employment Programs, which includes a diversified group of persons that may provide a source for future applicants in key job groups.
- Continue to list positions on the WEB.
- Continue to work with community based organizations.

## **OFFICE OF THE CHIEF INFORMATION OFFICER**

### **Fellowships, Internships, Traineeships, Recruitment, and IPAs**

Award: \$3,888

College or University: South Carolina State University

Description of Program or activity: This amount awarded represents \$1,511 for housing costs for and 1890 National Scholar while working for the Network Services Branch in Washington, DC;

Award: \$10,253

College or University: a) South Carolina State University; b) Lincoln University

Description of Program or activity: This amount represents salary and benefits paid to National Scholars during their work experiences.

### **Student Tuition Assistance, Scholarships and Other Aid**

Award: \$6,494

College or University: a) South Carolina State University; b) Lincoln University

Description of Program or activity: a) The Office of the Chief Information Officer (OCIO), Telecommunications Services and Operations (TSO) supported an individual who attended an 1890 Liaison Extension and Research class held at the S.C. State University and \$2,377 for first semester expenses for tuition, books, and lab and library fees at the S.C. State University site.

b) The Office of the Chief Information Officer (OCIO), National Information Technology Center (NITC) supported an 1890 National Scholar to attend various classes at Lincoln University. The awarded funds covered class tuition of \$3,382, books for \$612 and miscellaneous fees, supplies and insurance costs for \$494.

Award: \$1,605

College or University: South Carolina State University

Description of Program or activity: This amount awarded represents a personal computer and printer setup for the 1890 Liaison employee to participate in the on-the-job first level network technician training program at the OCIO/TSO, Washington, DC, South Building office. The awarded funds also covered class tuition of \$1,605, books for \$302 and lab and library privileges for \$100.